

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.

Default Power for WWAN

GSM850 Default Ant1						
GSM850	Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	128	189	251	128	189	251
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8
GSM 1 Tx slot	33.18	33.25	33.33	33.50	24.18	24.25
GPRS 1 Tx slot	33.09	33.37	33.25	33.50	24.09	24.37
GPRS 2 Tx slots	29.98	29.98	29.75	30.00	23.98	23.98
GPRS 3 Tx slots	28.11	28.43	28.08	28.50	23.85	24.17
GPRS 4 Tx slots	26.84	27.06	26.95	27.50	23.84	24.06
EDGE 1 Tx slot	27.37	27.37	27.10	27.50	18.37	18.37
EDGE 2 Tx slots	24.58	24.72	24.49	25.00	18.58	18.72
EDGE 3 Tx slots	22.82	22.88	22.98	23.50	18.56	18.60
EDGE 4 Tx slots	21.76	21.80	21.76	22.50	18.76	18.80

GSM1900 Default Ant1						
GSM1900	Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	29.71	29.68	29.98	30.50	20.71	20.68
GPRS 1 Tx slot	28.90	30.12	29.89	30.50	20.90	21.12
GPRS 2 Tx slots	25.99	26.04	26.19	26.70	19.99	20.04
GPRS 3 Tx slots	24.05	23.93	24.40	25.00	19.79	19.67
GPRS 4 Tx slots	22.82	23.04	23.24	24.00	19.82	20.04
EDGE 1 Tx slot	25.72	25.77	26.06	26.80	16.72	16.77
EDGE 2 Tx slots	23.31	23.27	23.32	24.10	17.31	17.27
EDGE 3 Tx slots	22.11	22.10	22.34	23.10	17.85	17.84
EDGE 4 Tx slots	20.34	20.46	20.44	21.30	17.34	17.46

WCDMA II Default Ant1				WCDMA IV Default Ant1				WCDMA V Default Ant1			
Band	WCDMA II			WCDMA IV			WCDMA V				
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233		
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2kbps	23.97	24.03	23.99	25.50	24.01	24.07	23.99	25.50	24.51	24.50
3GPP Rel 99	RMC 12.2kbps	24.03	24.11	23.98	25.50	24.06	24.16	24.10	25.50	24.50	24.53
3GPP Rel 6	HSDPA Subtest-1	22.94	22.90	22.94	24.00	22.84	22.91	22.67	24.00	23.50	23.39
3GPP Rel 6	HSDPA Subtest-2	23.01	22.96	22.93	24.00	22.90	22.90	22.81	24.00	23.27	23.43
3GPP Rel 6	HSDPA Subtest-3	22.53	22.28	22.36	24.00	22.25	22.23	22.26	24.00	22.97	22.74
3GPP Rel 6	HSDPA Subtest-4	22.53	22.50	22.31	24.00	22.38	22.21	22.27	24.00	22.78	22.97
3GPP Rel 8	DC-HSDPA Subtest-1	23.01	22.90	22.98	24.00	23.17	22.91	23.06	24.00	23.38	23.27
3GPP Rel 8	DC-HSDPA Subtest-2	23.03	22.90	23.00	24.00	23.07	22.94	22.75	24.00	23.35	23.29
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.72	22.58	24.00	22.43	22.56	22.40	24.00	22.87	22.77
3GPP Rel 8	DC-HSDPA Subtest-4	22.54	22.44	22.25	24.00	22.71	22.24	22.57	24.00	22.98	22.88
3GPP Rel 6	HSUPA Subtest-1	21.42	21.41	21.54	23.00	21.57	21.52	21.53	23.00	22.93	22.89
3GPP Rel 6	HSUPA Subtest-2	21.16	21.12	21.24	23.00	21.30	21.29	21.48	23.00	21.26	21.16
3GPP Rel 6	HSUPA Subtest-3	21.41	21.18	21.44	23.00	21.42	21.37	21.62	23.00	22.19	22.24
3GPP Rel 6	HSUPA Subtest-4	21.22	21.49	21.43	23.00	21.46	21.66	21.53	23.00	21.17	21.23
3GPP Rel 6	HSUPA Subtest-5	21.52	21.47	21.52	23.00	21.73	21.58	21.73	23.00	22.97	23.00

Band 2 Default Ant1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.83	24.01	23.90	25.5	0			
20	QPSK	1	49	23.66	23.88	23.76					
20	QPSK	1	99	23.78	23.77	23.71					
20	QPSK	50	0	22.95	22.96	22.76					
20	QPSK	50	24	22.79	22.89	22.63	24.5	1			
20	QPSK	50	50	22.77	22.71	22.68					
20	QPSK	100	0	22.63	22.80	22.65					
20	16QAM	1	0	23.27	23.30	23.17					
20	16QAM	1	49	23.07	22.85	23.00	24.5	1			
20	16QAM	1	99	22.99	22.90	23.00					
20	16QAM	50	0	21.79	21.78	21.70					
20	16QAM	50	24	21.71	21.70	21.58					
20	16QAM	50	50	21.61	21.55	21.56	23.5	2			
20	16QAM	100	0	21.67	21.57	21.81					
20	64QAM	1	0	21.96	21.78	21.64					
20	64QAM	1	49	21.78	21.70	21.71					
20	64QAM	1	99	21.66	21.54	21.62	23.5	2			
20	64QAM	50	0	20.60	20.89	20.80					
20	64QAM	50	24	20.63	20.67	20.67					
20	64QAM	50	50	20.62	20.61	20.66					
20	64QAM	100	0	20.53	20.75	20.82	22.5	3			
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.66	23.98	23.88	25.5	0			
15	QPSK	1	37	23.58	23.84	23.78					
15	QPSK	1	74	23.78	23.63	23.53					
15	QPSK	36	0	22.79	22.83	22.77					
15	QPSK	36	20	22.74	22.50	22.53	24.5	1			
15	QPSK	36	39	22.66	22.53	22.66					
15	QPSK	75	0	22.64	22.77	22.60					
15	16QAM	1	0	23.50	23.86	23.16					
15	16QAM	1	37	22.98	22.66	22.86	24.5	1			
15	16QAM	1	74	22.95	22.86	22.82					
15	16QAM	36	0	21.60	21.78	21.72					
15	16QAM	36	20	21.55	21.51	21.57					
15	16QAM	36	39	21.56	21.52	21.67	23.5	2			
15	16QAM	75	0	21.59	21.54	21.56					
15	64QAM	1	0	21.77	21.79	21.80					
15	64QAM	1	37	21.73	21.69	21.63					
15	64QAM	1	74	21.50	21.59	21.61	23.5	2			
15	64QAM	36	0	20.67	20.83	20.67					
15	64QAM	36	20	20.50	20.66	20.58					
15	64QAM	36	39	20.60	20.63	20.53					
15	64QAM	75	0	20.50	20.75	20.64	22.5	3			
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.78	23.94	23.83	25.5	0			
10	QPSK	1	25	23.61	23.85	23.59					
10	QPSK	1	49	23.62	23.72	23.57					
10	QPSK	25	0	22.76	22.82	22.55					
10	QPSK	25	12	22.58	22.59	22.57	24.5	1			
10	QPSK	25	25	22.73	22.65	22.58					
10	QPSK	50	0	22.57	22.59	22.62					
10	16QAM	1	0	23.17	22.95	23.16					
10	16QAM	1	25	22.99	22.78	23.01	24.5	1			
10	16QAM	1	49	22.81	22.79	22.93					
10	16QAM	25	0	21.70	21.71	21.58					
10	16QAM	25	12	21.68	21.72	21.53					
10	16QAM	25	25	21.53	21.56	21.56	23.5	2			
10	16QAM	50	0	21.50	21.55	21.83					
10	64QAM	1	0	21.81	21.74	21.57					
10	64QAM	1	25	21.61	21.58	21.53					
10	64QAM	1	49	21.59	21.57	21.62	22.5	3			
10	64QAM	25	0	20.64	20.87	20.62					
10	64QAM	25	12	20.53	20.69	20.55					
10	64QAM	25	25	20.62	20.55	20.60					
10	64QAM	50	0	20.79	20.59	20.75	22.5	3			
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.62	23.83	23.86	25.5	0			
5	QPSK	1	12	23.67	23.80	23.69					
5	QPSK	1	24	23.76	23.56	23.57					
5	QPSK	12	0	22.86	22.74	22.63					
5	QPSK	12	7	22.72	22.67	22.53	24.5	1			
5	QPSK	12	13	22.78	22.73	22.56					
5	QPSK	25	0	22.61	22.59	22.53					
5	16QAM	1	0	23.23	22.98	23.06					
5	16QAM	1	12	22.90	22.73	22.85	24.5	1			
5	16QAM	1	24	22.79	22.87	22.88					
5	16QAM	12	0	21.69	21.57	21.59					
5	16QAM	12	7	21.63	21.57	21.61					
5	16QAM	12	13	21.63	21.54	21.57	23.5	2			
5	16QAM	25	0	21.58	21.69	21.80					
5	64QAM	1	0	21.79	21.59	21.61					
5	64QAM	1	12	21.69	21.70	21.62					
5	64QAM	1	24	21.70	21.55	21.50	23.5	2			
5	64QAM	12	0	20.62	20.70	20.76					
5	64QAM	12	7	20.64	20.56	20.58					
5	64QAM	12	13	20.55	20.61	20.65					
5	64QAM	25	0	20.69	20.74	20.70	22.5	3			
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.75	23.90	23.92	25.5	0			
3	QPSK	1	8	23.53	23.90	23.55					
3	QPSK	1	14	23.60	23.65	23.56					
3	QPSK	8	0	22.62	22.69	22.59					
3	QPSK	8	0	22.67	22.56	22.60	24.5	1			
3	QPSK	8	7	22.63	22.64	22.66					
3	QPSK	15	0	22.61	22.74	22.52					
3	16QAM	1	0	23.28	23.14	22.99					
3	16QAM	1	8	22.89	22.79	22.89	24.5	1			
3	16QAM	1	14	22.91	22.62	22.97					
3	16QAM	8	0	21.58	21.57	21.60					
3	16QAM	8	4	21.69	21.56	21.59					
3	16QAM	8	7	21.59	21.55	21.55	23.5	2			
3	16QAM	15	0	21.59	21.74	21.67					
3	64QAM	1	0	21.77	21.66	21.53					
3	64QAM	1	8	21.77	21.61	21.56					
3	64QAM	1	14	21.52	21.60	21.55	23.5	2			
3	64QAM	8	0	20.50	20.60	20.60					
3	64QAM	8	4	20.66	20.69	20.75					
3	64QAM	8	7	20.82	20.85	20.58					
3	64QAM	15	0	20.67	20.73	20.69	22.5	3			
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.71	23.99	23.93	25.5	0			
1.4	QPSK	1	3	23.54	23.94	23.75					
1.4	QPSK	1	5	23.69	23.97	23.61					
1.4	QPSK	3	0	23.61	23.80	23.75					
1.4	QPSK	3	1	23.56	23.71	23.66	24.5	1			
1.4	QPSK	3	3	23.64	23.75	23.62					
1.4	QPSK	6	0	22.60	22.56	22.69					
1.4	16QAM	1	0	23.14	22.94	23.05					
1.4	16QAM	1	3	23.06	22.84	22.96	24.5	1			
1.4	16QAM	1	5	22.96	22.87	22.84					
1.4	16QAM	3	0	22.93	22.78	23.05					
1.4	16QAM	3	1	22.89	22.70	22.78					
1.4	16QAM	3	3	22.79	22.73	22.84	23.5	2			
1.4	16QAM	6	0	21.55	21.50	21.57					
1.4	64QAM	1	0	21.83	21.59	21.59					
1.4	64QAM	1	3	21.80	21.51	21.61					
1.4	64QAM	1	5	21.64	21.54	21.53	23.5	2			
1.4	64QAM	3	0	21.62	21.71	21.54					
1.4	64QAM	3	1	21.79	21.73	21.62					
1.4	64QAM	3	3	21.66	21.68	21.60					
1.4	64QAM	6	0	20.65	20.74	20.64	22.5	3			

Band 7 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2300	2335	2360			
Frequency (MHz)				2310	2339	2338			
20	QPSK	1	0	23.19	23.39	23.38	24	0	
20	QPSK	1	49	23.06	23.12	23.04			
20	QPSK	1	99	23.03	23.18	23.14			
20	QPSK	50	0	21.92	22.10	21.96	23	1	
20	QPSK	50	24	21.81	21.96	21.86			
20	QPSK	50	50	21.88	22.04	21.93			
20	QPSK	100	0	21.96	22.09	21.98	23	1	
20	16QAM	1	0	22.58	22.67	22.56			
20	16QAM	1	49	22.37	22.62	22.31			
20	16QAM	1	99	22.33	22.45	22.28	22	2	
20	16QAM	50	0	21.22	21.34	21.24			
20	16QAM	50	24	21.16	21.25	21.21			
20	16QAM	50	50	21.16	21.34	21.26	22	2	
20	16QAM	100	0	21.22	21.33	21.24			
20	64QAM	1	0	21.35	21.41	21.43			
20	64QAM	1	49	21.31	21.22	21.09	22	2	
20	64QAM	1	99	21.33	21.19	21.11			
20	64QAM	50	0	20.09	20.21	20.12			
20	64QAM	50	24	20.03	20.11	20.05	21	3	
20	64QAM	50	50	20.04	20.18	20.16			
20	64QAM	100	0	20.13	20.22	20.13			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20875	21035	21025			
15	QPSK	1	0	23.06	23.20	23.08	24	0	
15	QPSK	1	37	23.04	23.12	23.24			
15	QPSK	1	74	23.02	23.13	23.02			
15	QPSK	36	0	21.70	22.01	21.87	23	1	
15	QPSK	36	20	21.83	21.96	21.82			
15	QPSK	36	39	21.79	22.06	21.85			
15	QPSK	75	0	21.82	21.98	21.81	23	1	
15	16QAM	1	0	22.19	22.26	22.25			
15	16QAM	1	37	22.28	22.37	22.21			
15	16QAM	1	74	22.39	22.32	22.22	22	2	
15	16QAM	36	0	21.02	21.24	21.19			
15	16QAM	36	20	21.12	21.24	21.16			
15	16QAM	36	39	21.09	21.29	21.17	22	2	
15	16QAM	75	0	21.12	21.24	21.15			
15	64QAM	1	0	21.01	21.17	21.03			
15	64QAM	1	37	20.99	21.12	21.16	22	2	
15	64QAM	1	74	21.13	21.29	21.17			
15	64QAM	36	0	19.72	19.93	19.86			
15	64QAM	36	20	19.81	19.96	19.83	21	3	
15	64QAM	36	39	19.80	20.00	19.85			
15	64QAM	75	0	19.82	19.96	19.85			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20805	21035	21025			
10	QPSK	1	0	23.02	23.11	23.01	24	0	
10	QPSK	1	25	22.82	22.92	23.00			
10	QPSK	1	49	22.97	23.10	23.04			
10	QPSK	25	0	21.94	21.99	21.99	23	1	
10	QPSK	25	12	21.89	22.03	21.99			
10	QPSK	25	25	21.96	22.08	22.00			
10	QPSK	50	0	21.91	22.08	22.03	23	1	
10	16QAM	1	0	22.33	22.46	22.31			
10	16QAM	1	25	22.29	22.47	22.22			
10	16QAM	1	49	22.38	22.52	22.29	22	2	
10	16QAM	25	0	20.99	20.99	21.00			
10	16QAM	25	12	20.82	20.98	21.06			
10	16QAM	25	25	20.86	20.95	21.06	22	2	
10	16QAM	50	0	20.87	21.03	21.02			
10	64QAM	1	0	21.21	21.32	21.28			
10	64QAM	1	25	21.11	21.30	21.22	22	2	
10	64QAM	1	49	21.24	21.35	21.26			
10	64QAM	25	0	19.97	19.99	19.95			
10	64QAM	25	12	19.84	20.01	19.99	21	3	
10	64QAM	25	25	19.90	20.01	20.00			
10	64QAM	50	0	19.84	19.99	20.01			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20805	21035	21025			
5	QPSK	1	0	22.96	23.04	23.06	24	0	
5	QPSK	1	12	22.88	22.98	23.02			
5	QPSK	1	24	22.82	22.95	22.98			
5	QPSK	12	0	21.98	22.04	21.98	23	1	
5	QPSK	12	7	21.94	22.06	21.99			
5	QPSK	12	13	21.98	22.02	21.99			
5	QPSK	25	0	21.98	22.03	22.04	23	1	
5	16QAM	1	0	22.35	22.45	22.40			
5	16QAM	1	12	22.22	22.30	22.19			
5	16QAM	1	24	22.16	22.35	22.35	22	2	
5	16QAM	12	0	21.03	21.05	21.07			
5	16QAM	12	7	21.02	21.08	21.05			
5	16QAM	12	13	21.02	21.05	21.02	22	2	
5	16QAM	25	0	20.97	21.06	21.00			
5	64QAM	1	0	21.15	21.23	21.18			
5	64QAM	1	12	21.01	21.13	20.95	22	2	
5	64QAM	1	24	21.03	21.15	21.07			
5	64QAM	12	0	19.99	20.02	20.04			
5	64QAM	12	7	19.98	20.03	20.03	21	3	
5	64QAM	12	13	19.83	19.99	19.99			
5	64QAM	25	0	19.96	20.06	20.01			

Band 12 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23000	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.91	24.10	23.98	25.5	0	
10	QPSK	1	25	23.82	24.02	23.79			
10	QPSK	1	49	23.80	23.96	23.88			
10	QPSK	25	0	22.81	23.10	22.83	24.5	1	
10	QPSK	25	12	22.76	22.94	22.88			
10	QPSK	25	25	22.69	23.03	22.92			
10	QPSK	50	0	23.03	23.07	23.05	24.5	1	
10	16QAM	1	0	22.79	23.16	23.09			
10	16QAM	1	25	22.85	23.13	22.89			
10	16QAM	1	49	22.84	22.92	22.85	23.5	2	
10	16QAM	25	0	21.89	22.13	22.02			
10	16QAM	25	12	21.87	22.04	21.88			
10	16QAM	25	25	21.79	21.98	21.78	23.5	2	
10	16QAM	50	0	21.86	22.09	21.80			
10	64QAM	1	0	21.90	22.01	21.95			
10	64QAM	1	25	21.80	21.94	21.71	23.5	2	
10	64QAM	1	49	21.81	21.92	21.82			
10	64QAM	25	0	20.90	21.19	20.91			
10	64QAM	25	12	20.95	20.98	21.10	22.5	3	
10	64QAM	25	25	20.75	21.08	20.73			
10	64QAM	50	0	20.83	20.86	20.82			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.92	23.99	23.96	25.5	0	
5	QPSK	1	12	23.83	23.97	23.84			
5	QPSK	1	24	23.79	23.80	23.76			
5	QPSK	12	0	22.60	22.97	22.83	24.5	1	
5	QPSK	12	7	22.72	22.94	22.68			
5	QPSK	12	13	22.58	23.03	22.76			
5	QPSK	25	0	22.84	22.86	23.00	24.5	1	
5	16QAM	1	0	22.70	23.12	23.09			



Band 17 Default Ant1									
BW [MHz]	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	23.96	24.04	23.92	25.5	0	
10	QPSK	1	25	23.93	23.87	23.74			
10	QPSK	1	49	23.96	24.02	23.83			
10	QPSK	25	0	22.89	23.05	22.94	24.5	1	
10	QPSK	25	12	22.85	22.79	22.70			
10	QPSK	25	25	23.03	22.98	22.82			
10	QPSK	50	0	22.92	23.06	22.81	24.5	1	
10	16QAM	1	0	22.90	22.96	22.81			
10	16QAM	1	25	22.92	22.78	22.81			
10	16QAM	1	49	23.02	23.13	22.84	23.5	2	
10	16QAM	25	0	21.96	22.02	21.89			
10	16QAM	25	12	21.96	21.83	21.70			
10	16QAM	25	25	21.88	22.11	21.75	22.5	3	
10	16QAM	50	0	21.96	22.00	21.84			
10	64QAM	1	0	22.00	22.02	21.84			
10	64QAM	1	25	21.98	21.79	21.77	23.5	2	
10	64QAM	1	49	21.85	22.03	21.90			
10	64QAM	25	0	20.93	20.93	20.93			
10	64QAM	25	12	20.90	21.03	20.97	22.5	3	
10	64QAM	25	25	20.84	20.92	20.80			
10	64QAM	50	0	20.90	21.13	20.89			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.78	23.87	23.77	25.5	0	
5	QPSK	1	12	23.91	23.70	23.74			
5	QPSK	1	24	23.86	23.91	23.66			
5	QPSK	12	0	22.80	22.91	22.81	24.5	1	
5	QPSK	12	7	22.64	22.76	22.69			
5	QPSK	12	13	22.83	22.83	22.83			
5	QPSK	25	0	22.78	23.02	22.80	24.5	1	
5	16QAM	1	0	22.72	22.86	22.83			
5	16QAM	1	12	22.70	22.78	22.72			
5	16QAM	1	24	22.94	23.06	22.62	23.5	2	
5	16QAM	12	0	21.94	21.90	21.79			
5	16QAM	12	7	21.94	21.73	21.52			
5	16QAM	12	13	21.77	21.96	21.56	23.5	2	
5	16QAM	25	0	21.85	21.96	21.63			
5	64QAM	1	0	21.88	21.99	21.68			
5	64QAM	1	12	21.81	21.63	21.60	22.5	3	
5	64QAM	1	24	21.68	22.01	21.74			
5	64QAM	12	0	20.80	20.72	20.72			
5	64QAM	12	7	20.75	20.96	20.77	22.5	3	
5	64QAM	12	13	20.64	20.77	20.71			
5	64QAM	25	0	20.62	21.04	20.77			

Band 26 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965			
Frequency (MHz)				811.5	831.5	841.5			
15	QPSK	1	0	24.51	24.52	24.44	25.5	0	
15	QPSK	1	37	24.40	24.33	24.36			
15	QPSK	1	74	24.44	24.39	24.26			
15	QPSK	36	0	23.49	23.58	23.53	24.5	1	
15	QPSK	36	20	23.31	23.44	23.25			
15	QPSK	36	39	23.37	23.47	23.19			
15	QPSK	75	0	23.46	23.59	23.45	24.5	1	
15	16QAM	1	0	23.48	23.44	23.43			
15	16QAM	1	37	23.43	23.41	23.39			
15	16QAM	1	74	23.34	23.49	23.32	23.5	2	
15	16QAM	36	0	22.48	22.42	22.34			
15	16QAM	36	20	22.43	22.31	22.39			
15	16QAM	36	39	22.45	22.41	22.26	23.5	2	
15	16QAM	75	0	22.47	22.60	22.55			
15	64QAM	1	0	22.53	22.61	22.37	23.5	2	
15	64QAM	1	37	22.33	22.33	22.28			
15	64QAM	1	74	22.43	22.46	22.26			
15	64QAM	36	0	21.51	21.49	21.54	22.5	3	
15	64QAM	36	20	21.48	21.53	21.55			
15	64QAM	36	39	21.29	21.23	21.42			
15	64QAM	75	0	21.47	21.33	21.22	Tune-up limit (dbm)	MPR (db)	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.33	24.49	24.30	25.5	0	
10	QPSK	1	25	24.41	24.18	24.21			
10	QPSK	1	49	24.44	24.16	24.25			
10	QPSK	25	0	23.49	23.44	23.51	24.5	1	
10	QPSK	25	12	23.14	23.29	23.24			
10	QPSK	25	25	23.31	23.49	23.19			
10	QPSK	50	0	23.26	23.58	23.40	24.5	1	
10	16QAM	1	0	23.28	23.23	23.40			
10	16QAM	1	25	23.43	23.22	23.30			
10	16QAM	1	49	23.29	23.29	23.20	23.5	2	
10	16QAM	25	0	22.44	22.21	22.26			
10	16QAM	25	12	22.44	22.24	22.34			
10	16QAM	25	25	22.47	22.21	22.05	23.5	2	
10	16QAM	50	0	22.27	22.21	22.46			
10	64QAM	1	0	22.47	22.41	22.23			
10	64QAM	1	25	22.29	22.14	22.08	23.5	2	
10	64QAM	1	49	22.38	22.39	22.11			
10	64QAM	25	0	21.32	21.35	21.39			
10	64QAM	25	12	21.43	21.51	21.51	22.5	3	
10	64QAM	25	25	21.11	21.14	21.42			
10	64QAM	50	0	21.35	21.23	21.14			
Channel				26715	26865	27015	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.31	24.44	24.36	25.5	0	
5	QPSK	1	12	24.39	24.29	24.15			
5	QPSK	1	24	24.33	24.37	24.24			
5	QPSK	12	0	23.31	23.57	23.47	24.5	1	
5	QPSK	12	7	23.10	23.29	23.16			
5	QPSK	12	13	23.23	23.29	23.16			
5	QPSK	25	0	23.33	23.38	23.31	24.5	1	
5	16QAM	1	0	23.31	23.46	23.26			
5	16QAM	1	12	23.28	23.37	23.26			
5	16QAM	1	24	23.22	23.37	23.21	23.5	2	
5	16QAM	12	0	22.26	22.23	22.19			
5	16QAM	12	7	22.37	22.30	22.22			
5	16QAM	12	13	22.37	22.21	22.05	23.5	2	
5	16QAM	25	0	22.31	22.44	22.38			
5	64QAM	1	0	22.35	22.40	22.25			
5	64QAM	1	12	22.24	22.22	22.21	23.5	2	
5	64QAM	1	24	22.26	22.26	22.12			
5	64QAM	12	0	21.41	21.35	21.33			
5	64QAM	12	7	21.50	21.52	21.45	22.5	3	
5	64QAM	12	13	21.27	21.14	21.34			
5	64QAM	25	0	21.30	21.26	21.11			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	847.5			
3	QPSK	1	0	24.47	24.33	24.24	25.5	0	
3	QPSK	1	8	24.35	24.27	24.19			
3	QPSK	1	14	24.38	24.19	24.20			
3	QPSK	8	0	23.43	23.41	23.39	24.5	1	
3	QPSK	8	4	23.12	23.34	23.26			
3	QPSK	8	7	23.28	23.30	23.13			
3	QPSK	15	0	23.47	23.55	23.27	24.5	1	
3	16QAM	1	0	23.43	23.23	23.26			
3	16QAM	1	8	23.32	23.35	23.40	24.5	1	
3	16QAM	1	14	23.17	23.51	23.21			
3	16QAM	8	0	22.42	22.32	22.33	23.5	2	
3	16QAM	8	4	22.21	22.16	22.34			
3	16QAM	8	7	22.37	22.28	22.11	23.5	2	
3	16QAM	15	0	22.27	22.38	22.46			
3	64QAM	1	0	22.51	22.62	22.23	23.5	2	
3	64QAM	1	8	22.21	22.32	22.32			
3	64QAM	1	14	22.27	22.44	22.19	22.5	3	
3	64QAM	8	0	21.49	21.36	21.55			
3	64QAM	8	4	21.42	21.35	21.40	22.5	3	
3	64QAM	8	7	21.14	21.07	21.40			
3	64QAM	15	0	21.26	21.29	21.17	Tune-up limit (dbm)	MPR (db)	
Channel				26705	26865	27025			
Frequency (MHz)				816.7	831.5	848.3			
1.4	QPSK	1	0	24.31	24.45	24.25	25.5	0	
1.4	QPSK	1	3	24.27	24.22	24.29			
1.4	QPSK	1	5	24.28	24.20	24.20			
1.4	QPSK	3	0	24.13	24.30	24.09	24.5	1	
1.4	QPSK	3	1	24.13	24.08	24.10			
1.4	QPSK	3	3	24.19	23.99	24.09			
1.4	QPSK	6	0	23.34	23.31	23.46	24.5	1	
1.4	16QAM	1	0	23.35	23.29	23.44			
1.4	16QAM	1	3	23.30	23.41	23.35			
1.4	16QAM	1	5	23.30	23.32	23.28	24.5	1	
1.4	16QAM	3	0	23.28	23.11	23.23			
1.4	16QAM	3	1	23.09	23.33	23.31			
1.4	16QAM	3	3	23.28	23.23	23.21	23.5	2	
1.4	16QAM	6	0	22.41	22.48	22.52			
1.4	64QAM	1	0	22.50	22.52	22.22	23.5	2	
1.4	64QAM	1	3	22.11	22.16	22.29			
1.4	64QAM	1	5	22.44	22.24	22.11	23.5	2	
1.4	64QAM	3	0	22.42	22.50	22.23			
1.4	64QAM	3	1	22.08	22.07	22.15			
1.4	64QAM	3	3	22.36	22.09	22.09	22.5	3	
1.4	64QAM	6	0	21.61	21.25	21.09			

Band 38 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.15	24.20	23.74	24.5	1	
20	QPSK	1	49	23.97	24.19	24.01			
20	QPSK	1	99	24.17	24.02	23.78			
20	QPSK	50	0	23.08	23.36	22.95	24.5	1	
20	QPSK	50	24	23.16	23.14	22.99			
20	QPSK	50	50	23.02	23.08	22.89			
20	QPSK	100	0	22.99	23.23	23.03	24.5	1	
20	16QAM	1	0	23.15	22.94	23.01			
20	16QAM	1	49	23.23	23.21	23.00			
20	16QAM	1	99	23.11	23.04	23.00	23.5	2	
20	16QAM	50	0	22.21	22.10	22.06			
20	16QAM	50	24	22.12	22.07	22.19			
20	16QAM	50	50	22.05	21.98	22.07	23.5	2	
20	16QAM	100	0	22.09	22.10	21.99			
20	64QAM	1	0	21.89	22.11	21.73			
20	64QAM	1	49	21.78	21.97	21.99	23.5	2	
20	64QAM	1	99	22.01	21.75	21.68			
20	64QAM	50	0	21.05	21.19	20.81			
20	64QAM	50	24	21.17	21.14	20.98	22.5	3	
20	64QAM	50	50	21.03	20.97	20.87			
20	64QAM	100	0	21.17	21.13	21.02			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	23.94	23.99	23.73			
15	QPSK	1	37	23.97	23.99	23.84	24.5	1	
15	QPSK	1	74	24.18	23.99	23.81			
15	QPSK	36	0	22.88	23.22	22.90			
15	QPSK	36	20	22.99	23.14	22.97	24.5	1	
15	QPSK	36	39	22.83	22.87	22.84			
15	QPSK	75	0	22.79	23.06	22.96			
15	16QAM	1	0	23.04	22.80	22.80	24.5	1	
15	16QAM	1	37	23.22	23.22	22.97			
15	16QAM	1	74	22.97	23.02	22.79			
15	16QAM	36	0	22.17	21.89	21.97	23.5	2	
15	16QAM	36	20	21.94	21.89	22.14			
15	16QAM	36	39	22.02	21.88	21.94			
15	16QAM	75	0	21.89	21.88	21.96	23.5	2	
15	64QAM	1	0	21.69	21.95	21.75			
15	64QAM	1	37	21.60	21.77	21.98			
15	64QAM	1	74	21.92	21.70	21.59	22.5	3	
15	64QAM	36	0	20.91	21.18	20.71			
15	64QAM	36	20	21.01	20.95	20.99			
15	64QAM	36	39	20.82	20.93	20.77	22.5	3	
15	64QAM	75	0	21.17	20.91	20.93			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.11	24.08	23.66			
10	QPSK	1	25	23.90	24.05	23.81	24.5	1	
10	QPSK	1	49	24.05	23.85	23.79			
10	QPSK	25	0	22.91	23.16	22.87			
10	QPSK	25	12	22.94	23.15	22.96	24.5	1	
10	QPSK	25	25	22.87	22.91	22.69			
10	QPSK	50	0	22.91	23.17	22.99			
10	16QAM	1	0	22.95	22.92	22.81	24.5	1	
10	16QAM	1	25	23.14	23.04	22.80			
10	16QAM	1	49	23.11	23.01	22.82			
10	16QAM	25	0	22.15	22.09	21.84	23.5	2	
10	16QAM	25	12	22.12	21.91	22.05			
10	16QAM	25	25	22.04	21.86	22.06			
10	16QAM	50	0	21.93	22.05	22.00	23.5	2	
10	64QAM	1	0	21.86	22.07	21.58			
10	64QAM	1	25	21.80	21.93	21.97			
10	64QAM	1	49	21.86	21.66	21.58	22.5	3	
10	64QAM	25	0	21.00	21.02	20.82			
10	64QAM	25	12	20.96	21.16	20.95			
10	64QAM	25	25	20.92	20.85	20.75	22.5	3	
10	64QAM	50	0	21.11	20.94	20.85			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	23.97	24.07	23.66			
5	QPSK	1	12	23.88	24.10	23.92	24.5	1	
5	QPSK	1	24	23.81	23.97	23.95			
5	QPSK	12	0	22.99	23.15	22.86			
5	QPSK	12	7	22.99	23.11	22.87	24.5	1	
5	QPSK	12	13	22.89	23.06	22.70			
5	QPSK	25	0	22.86	23.21	22.94			
5	16QAM	1	0	23.15	22.81	22.91	24.5	1	
5	16QAM	1	12	23.16	23.21	22.87			
5	16QAM	1	24	23.11	23.01	22.98			
5	16QAM	12	0	22.16	22.07	21.96	23.5	2	
5	16QAM	12	7	21.90	21.89	22.19			
5	16QAM	12	13	22.03	21.77	21.91			
5	16QAM	25	0	21.90	22.05	21.77	23.5	2	
5	64QAM	1	0	21.86	22.12	21.62			
5	64QAM	1	12	21.77	21.78	21.79			
5	64QAM	1	24	21.98	21.63	21.63	22.5	3	
5	64QAM	12	0	21.05	21.10	20.71			
5	64QAM	12	7	21.01	20.96	20.80			
5	64QAM	12	13	20.88	20.89	20.81	22.5	3	
5	64QAM	25	0	21.09	21.03	21.01			

Band 41 Default Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.20	23.95	24.22	24.11	24.05		
20	QPSK	1	49	24.03	23.86	24.19	24.08	23.93	24.5	1
20	QPSK	1	99	24.02	23.85	24.13	24.15	23.90		
20	QPSK	50	0	23.19	23.09	23.40	23.11	23.34		
20	QPSK	50	24	23.26	23.09	23.27	23.10	23.20	24.5	1
20	QPSK	50	50	23.30	23.24	23.36	23.38	23.25		
20	QPSK	100	0	23.20	23.14	23.35	23.22	23.28		
20	16QAM	1	0	23.25	23.06	23.14	23.17	23.21	24.5	1
20	16QAM	1	49	23.31	23.03	23.24	23.13	23.03		
20	16QAM	1	99	23.19	23.05	23.26	23.06	23.11		
20	16QAM	50	0	22.23	22.00	22.21	22.16	22.22	23.5	2
20	16QAM	50	24	22.30	21.94	22.19	22.06	22.14		
20	16QAM	50	50	22.33	22.00	22.25	22.22	22.20		
20	16QAM	100	0	22.25	22.15	22.38	22.02	22.17	23.5	2
20	64QAM	1	0	21.86	21.90	21.99	21.82	21.83		
20	64QAM	1	49	22.03	21.89	21.86	21.98	21.92		
20	64QAM	1	99	21.95	21.63	21.83	21.97	21.90	22.5	3
20	64QAM	50	0	21.22	21.15	21.32	21.25	21.23		
20	64QAM	50	24	21.23	21.38	21.07	21.18	21.28		
20	64QAM	50	50	21.37	21.09	21.12	21.29	21.26	22.5	3
20	64QAM	100	0	21.51	21.06	21.41	21.19	21.32		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.12	24.20	24.00	23.96	23.78		
15	QPSK	1	37	23.96	24.12	24.15	23.95	23.84	24.5	1
15	QPSK	1	74	23.91	24.10	24.17	23.82	23.81		
15	QPSK	38	0	23.30	23.36	23.04	23.24	23.11	24.5	1
15	QPSK	36	20	23.17	23.23	23.18	23.13	23.08		
15	QPSK	36	39	23.24	23.28	23.35	23.28	23.27		
15	QPSK	75	0	23.30	23.34	23.29	23.18	23.02	24.5	1
15	16QAM	1	0	23.21	23.08	23.21	23.09	22.90		
15	16QAM	1	37	23.28	23.16	23.10	23.11	23.14		
15	16QAM	1	74	23.11	23.33	22.94	23.11	23.11	23.5	2
15	16QAM	36	0	22.25	22.25	22.09	22.16	22.16		
15	16QAM	36	20	22.22	22.15	21.98	22.10	21.93		
15	16QAM	36	39	22.37	22.18	22.10	22.19	22.16	23.5	2
15	16QAM	75	0	22.25	22.47	22.07	22.24	22.08		
15	64QAM	1	0	21.81	21.99	21.89	21.94	21.75		
15	64QAM	1	37	22.01	21.73	21.90	22.02	21.88	22.5	3
15	64QAM	1	74	21.99	21.84	21.88	21.77	21.79		
15	64QAM	36	0	21.27	21.40	21.26	21.24	21.20		
15	64QAM	36	20	21.25	21.09	21.19	21.37	21.21	22.5	3
15	64QAM	36	39	21.36	21.08	21.25	21.20	21.09		
15	64QAM	75	0	21.51	21.47	21.22	21.21	21.17		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	24.08	24.14	24.06	24.02	23.96		
10	QPSK	1	25	24.00	24.08	23.96	23.96	23.83	24.5	1
10	QPSK	1	49	24.09	24.10	24.16	23.93	23.82		
10	QPSK	25	0	23.12	23.35	23.18	23.23	23.28		
10	QPSK	25	12	23.30	23.29	23.18	23.18	23.10	24.5	1
10	QPSK	25	25	23.23	23.22	23.34	23.27	23.31		
10	QPSK	50	0	23.10	23.28	23.27	23.24	23.16		
10	16QAM	1	0	23.15	23.06	23.16	23.24	22.92	24.5	1
10	16QAM	1	25	23.28	23.32	23.05	23.05	23.13		
10	16QAM	1	49	23.26	23.27	23.13	23.04	22.94		
10	16QAM	25	0	22.19	22.29	22.26	22.32	21.98	23.5	2
10	16QAM	25	12	22.19	22.20	22.00	22.22	22.05		
10	16QAM	25	25	22.39	22.18	22.24	22.14	22.08		
10	16QAM	50	0	22.33	22.49	21.99	22.22	22.09	23.5	2
10	64QAM	1	0	21.74	21.98	21.82	21.77	21.88		
10	64QAM	1	25	21.99	21.88	21.98	21.97	22.02		
10	64QAM	1	49	21.86	21.73	21.95	21.96	21.64	22.5	3
10	64QAM	25	0	21.09	21.32	21.27	21.21	21.25		
10	64QAM	25	12	21.21	21.00	21.21	21.31	21.22		
10	64QAM	25	25	21.33	21.18	21.39	21.21	21.14	22.5	3
10	64QAM	50	0	21.48	21.30	21.10	21.28	21.12		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	23.98	24.18	24.01	24.01	23.96		
5	QPSK	1	12	24.10	24.08	24.01	23.80	23.96	24.5	1
5	QPSK	1	24	24.07	24.14	24.16	23.89	23.79		
5	QPSK	12	0	23.08	23.36	23.17	23.35	23.11		
5	QPSK	12	7	23.25	23.34	23.01	23.29	22.94	24.5	1
5	QPSK	12	13	23.30	23.35	23.35	23.22	23.13		
5	QPSK	25	0	23.14	23.20	23.31	23.16	23.16		
5	16QAM	1	0	23.31	23.22	23.20	23.30	22.98	24.5	1
5	16QAM	1	12	23.39	23.20	23.17	23.01	23.09		
5	16QAM	1	24	23.15	23.16	23.15	22.98	23.01		
5	16QAM	12	0	22.12	22.32	22.20	22.19	22.12	23.5	2
5	16QAM	12	7	22.22	22.06	22.06	22.08	22.06		
5	16QAM	12	13	22.30	22.15	22.27	22.13	22.15		
5	16QAM	25	0	22.13	22.37	22.02	22.23	22.18	23.5	2
5	64QAM	1	0	21.91	21.89	21.71	21.71	21.90		
5	64QAM	1	12	22.04	21.80	21.89	22.01	21.93		
5	64QAM	1	24	22.00	21.76	21.96	21.98	21.60	22.5	3
5	64QAM	12	0	21.30	21.19	21.24	21.19	21.23		
5	64QAM	12	7	21.26	20.97	21.17	21.16	21.33		
5	64QAM	12	13	21.33	21.03	21.37	21.36	21.14	22.5	3
5	64QAM	25	0	21.52	21.40	21.12	21.33	21.08		

		GSM850 Default Ant2						
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		128	189	251		128	189	251
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GSM 1 Tx slot		33.07	33.20	33.23	33.50	24.07	24.20	24.23
GPRS 1 Tx slot		33.23	33.30	33.29	33.50	24.23	24.30	24.29
GPRS 2 Tx slots		29.49	29.62	29.45	30.00	23.49	23.62	23.45
GPRS 3 Tx slots		27.69	27.58	27.72	28.50	23.43	23.32	23.46
GPRS 4 Tx slots		26.29	26.39	26.22	27.50	23.29	23.39	23.22
EDGE 1 Tx slot		27.19	27.03	27.15	27.50	18.19	18.03	18.15
EDGE 2 Tx slots		24.38	24.51	24.46	25.00	18.38	18.51	18.46
EDGE 3 Tx slots		22.65	22.61	22.68	23.50	18.38	18.35	18.42
EDGE 4 Tx slots		21.27	21.52	21.42	22.50	18.27	18.52	18.42

GSM1900 Default Ant2							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel	512	661	810	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	
GSM 1 Tx slot	30.00	30.19	30.30	30.50	21.00	21.19	21.30
GPRS 1 Tx slot	30.10	30.35	30.33	30.50	21.10	21.35	21.33
GPRS 2 Tx slots	26.10	26.38	26.22	26.70	20.10	20.38	20.22
GPRS 3 Tx slots	24.15	24.24	24.45	25.00	19.89	19.98	20.19
GPRS 4 Tx slots	23.04	23.20	23.49	24.00	20.04	20.20	20.49
EDGE 1 Tx slot	25.97	26.04	25.98	26.80	16.97	17.04	16.98
EDGE 2 Tx slots	23.27	23.42	23.65	24.10	17.27	17.42	17.65
EDGE 3 Tx slots	22.15	22.24	22.05	23.10	17.89	17.98	17.79
EDGE 4 Tx slots	20.19	20.31	20.51	21.30	17.19	17.31	17.51

WCDMA II Default Ant2				WCDMA IV Default Ant2					WCDMA V Default Ant2				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1758		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1792.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	24.31	24.32	24.37	25.50	24.28	24.24	24.15	25.50	24.53	24.63	24.60	25.50
3GPP Rel 99	RMC 12.2Kbps	24.34	24.43	24.42	25.50	24.17	24.32	24.13	25.50	24.55	24.72	24.70	25.50
3GPP Rel 6	HSDPA Subtest-1	23.45	23.25	23.07	24.00	23.35	23.23	23.31	24.00	23.63	23.85	23.91	24.00
3GPP Rel 6	HSDPA Subtest-2	23.37	23.28	23.20	24.00	23.33	23.32	23.15	24.00	23.60	23.83	23.90	24.00
3GPP Rel 6	HSDPA Subtest-3	22.77	22.83	22.69	24.00	23.07	22.83	22.92	24.00	23.28	23.40	23.40	24.00
3GPP Rel 6	HSDPA Subtest-4	22.83	22.77	22.69	24.00	23.06	22.81	22.99	24.00	23.26	23.30	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.47	23.19	23.18	24.00	23.46	23.24	23.27	24.00	23.67	23.90	23.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.34	23.20	23.24	24.00	23.32	23.07	23.27	24.00	23.83	23.87	23.85	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.93	22.63	22.71	24.00	22.81	22.77	22.85	24.00	23.32	23.47	23.11	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.89	22.81	22.73	24.00	22.85	22.75	22.68	24.00	23.00	23.33	23.41	24.00
3GPP Rel 6	HSUPA Subtest-1	21.88	21.77	21.70	23.00	21.53	21.44	21.58	23.00	21.64	21.92	21.97	23.00
3GPP Rel 6	HSUPA Subtest-2	21.99	21.79	21.75	23.00	21.25	21.24	21.24	23.00	21.88	21.66	21.72	23.00
3GPP Rel 6	HSUPA Subtest-3	22.48	22.23	22.08	23.00	21.75	21.78	21.41	23.00	22.02	22.05	21.93	23.00
3GPP Rel 6	HSUPA Subtest-4	21.92	21.77	21.89	23.00	21.42	21.48	21.48	23.00	21.82	21.88	21.80	23.00
3GPP Rel 6	HSUPA Subtest-5	21.78	21.73	21.67	23.00	21.39	21.30	21.33	23.00	21.87	21.82	21.83	23.00



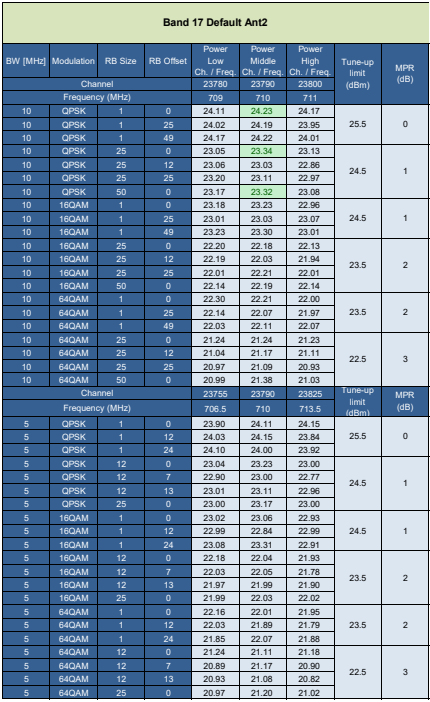
Band 2 Default Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.55	24.59	24.46			
20	QPSK	1	49	24.26	24.40	24.39	25.5	0	
20	QPSK	1	99	24.26	24.21	24.14			
20	QPSK	50	0	23.29	23.48	23.15			
20	QPSK	50	24	23.22	23.21	23.12	24.5	1	
20	QPSK	50	50	23.22	23.23	23.13			
20	QPSK	100	0	23.21	23.24	23.19			
20	16QAM	1	0	23.68	23.57	23.66			
20	16QAM	1	49	23.57	23.59	23.62	24.5	1	
20	16QAM	1	99	23.85	23.87	23.56			
20	16QAM	50	0	22.40	22.64	22.28			
20	16QAM	50	24	22.44	22.49	22.35	23.5	2	
20	16QAM	50	50	22.35	22.17	22.34			
20	16QAM	100	0	22.32	22.29	22.36			
20	64QAM	1	0	22.63	22.57	22.66			
20	64QAM	1	49	22.49	22.37	22.47	23.5	2	
20	64QAM	1	99	22.37	22.36	22.25			
20	64QAM	50	0	21.43	21.36	21.45			
20	64QAM	50	24	21.32	21.51	21.39	22.5	3	
20	64QAM	50	50	21.28	21.23	21.21			
20	64QAM	100	0	21.22	21.39	21.50			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.46	24.46	24.32			
15	QPSK	1	37	24.08	24.24	24.32	25.5	0	
15	QPSK	1	74	24.27	24.22	24.04			
15	QPSK	36	0	23.28	23.40	23.15			
15	QPSK	36	20	23.11	23.06	22.93	24.5	1	
15	QPSK	36	39	23.13	23.07	22.92			
15	QPSK	75	0	23.05	23.16	23.05			
15	16QAM	1	0	23.35	23.24	23.45	24.5	1	
15	16QAM	1	37	23.50	23.55	23.50			
15	16QAM	1	74	23.73	23.73	23.37			
15	16QAM	36	0	22.28	22.57	22.19			
15	16QAM	36	20	22.39	22.35	22.27	23.5	2	
15	16QAM	36	39	22.22	22.15	22.26			
15	16QAM	75	0	22.33	22.24	22.18			
15	64QAM	1	0	22.64	22.40	22.55			
15	64QAM	1	37	22.43	22.30	22.38	23.5	2	
15	64QAM	1	74	22.15	22.17	22.15			
15	64QAM	36	0	21.32	21.21	21.36			
15	64QAM	36	20	21.31	21.30	21.31	22.5	3	
15	64QAM	36	39	21.08	21.25	21.11			
15	64QAM	75	0	21.23	21.27	21.42			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.36	24.40	24.26			
10	QPSK	1	25	24.10	24.28	24.32	25.5	0	
10	QPSK	1	49	24.04	24.46	23.93			
10	QPSK	25	0	23.14	23.30	22.94			
10	QPSK	25	12	23.09	23.21	22.96	24.5	1	
10	QPSK	25	25	23.17	23.05	22.91			
10	QPSK	50	0	23.22	23.23	23.14			
10	16QAM	1	0	23.61	23.41	23.48			
10	16QAM	1	25	23.45	23.58	23.48	24.5	1	
10	16QAM	1	49	23.69	23.79	23.38			
10	16QAM	25	0	22.20	22.61	22.23			
10	16QAM	25	12	22.28	22.45	22.38	23.5	2	
10	16QAM	25	25	22.30	22.15	22.25			
10	16QAM	50	0	22.15	22.08	22.15			
10	64QAM	1	0	22.50	22.56	22.66			
10	64QAM	1	25	22.30	22.17	22.47	23.5	2	
10	64QAM	1	49	22.26	22.24	22.24			
10	64QAM	25	0	21.44	21.15	21.33			
10	64QAM	25	12	21.30	21.51	21.36	22.5	3	
10	64QAM	25	25	21.25	21.20	21.16			
10	64QAM	50	0	21.05	21.32	21.35			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.48	24.45	24.33			
5	QPSK	1	12	24.11	24.26	24.17	25.5	0	
5	QPSK	1	24	24.07	24.16	24.11			
5	QPSK	12	0	23.15	23.37	23.03			
5	QPSK	12	7	23.20	23.13	23.03	24.5	1	
5	QPSK	12	13	23.22	22.96	23.06			
5	QPSK	25	0	23.00	23.17	23.05			
5	16QAM	1	0	23.35	23.33	23.53	24.5	1	
5	16QAM	1	12	23.54	23.51	23.53			
5	16QAM	1	24	23.75	23.89	23.53			
5	16QAM	12	0	22.30	22.52	22.24			
5	16QAM	12	7	22.44	22.51	22.28	23.5	2	
5	16QAM	12	13	22.23	22.03	22.35			
5	16QAM	25	0	22.14	22.13	22.20			
5	64QAM	1	0	22.59	22.55	22.48			
5	64QAM	1	12	22.35	22.16	22.48	23.5	2	
5	64QAM	1	24	22.27	22.26	22.48			
5	64QAM	12	0	21.43	21.07	21.13			
5	64QAM	12	7	21.29	21.41	21.35	22.5	3	
5	64QAM	12	13	21.21	21.08	21.05			
5	64QAM	25	0	20.91	21.11	21.18			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.35	24.44	24.37			
3	QPSK	1	8	24.12	24.25	24.40	25.5	0	
3	QPSK	1	14	24.22	24.15	24.11			
3	QPSK	8	0	23.10	23.36	23.15			
3	QPSK	8	4	23.21	23.11	23.02	24.5	1	
3	QPSK	8	7	23.22	23.14	23.08			
3	QPSK	15	0	23.19	23.15	23.04			
3	16QAM	1	0	23.65	23.51	23.55			
3	16QAM	1	8	23.47	23.54	23.60	24.5	1	
3	16QAM	1	14	23.87	23.85	23.37			
3	16QAM	8	0	22.18	22.43	22.15			
3	16QAM	8	4	22.40	22.29	22.28	23.5	2	
3	16QAM	8	7	22.16	22.00	22.35			
3	16QAM	15	0	22.15	22.30	22.37			
3	64QAM	1	0	22.22	22.46	22.07			
3	64QAM	1	8	22.25	22.40	22.22	23.5	2	
3	64QAM	1	14	22.02	22.03	22.24			
3	64QAM	8	0	21.38	21.17	21.23			
3	64QAM	8	4	21.19	21.44	21.35	22.5	3	
3	64QAM	8	7	21.24	21.03	21.19			
3	64QAM	15	0	21.03	21.32	21.46			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.37	24.46	24.42			
1.4	QPSK	1	3	24.15	24.37	24.27	25.5	0	
1.4	QPSK	1	5	24.12	24.02	24.08			
1.4	QPSK	3	0	24.18	24.38	24.29			
1.4	QPSK	3	1	24.04	24.23	24.22			
1.4	QPSK	3	3	24.07	24.01	24.04	24.5	1	
1.4	QPSK	6	0	23.10	23.10	23.02			
1.4	16QAM	1	0	23.63	23.52	23.45			
1.4	16QAM	1	3	23.43	23.43	23.45	24.5	1	
1.4	16QAM	1	5	23.80	23.77	23.42			
1.4	16QAM	3	0	23.53	23.44	23.39			
1.4	16QAM	3	1	23.34	23.34	23.36			
1.4	16QAM	3	3	23.72	23.61	23.23	23.5	2	
1.4	16QAM	6	0	22.30	22.26	22.17			
1.4	64QAM	1	0	22.62	22.49	22.48			
1.4	64QAM	1	3	22.40	22.34	22.41			
1.4	64QAM	1	5	22.18	22.23	22.21			
1.4	64QAM	3	0	22.46	22.41	22.41	23.5	2	
1.4	64QAM	3	1	22.36	22.34	22.38			
1.4	64QAM	3	3	22.08	22.03	22.15			
1.4	64QAM	6	0	21.04	21.30	21.45	22.5	3	

Band 4 Default Ant2									
BW [MHz]	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	24.49	24.68	24.65			
20	QPSK	1	49	24.49	24.66	24.63	25.5	0	
20	QPSK	1	99	24.63	24.51	24.46			
20	QPSK	50	0	23.56	23.60	23.41			
20	QPSK	50	24	23.41	23.48	23.35	24.5	1	
20	QPSK	50	50	23.49	23.49	23.44			
20	QPSK	100	0	23.42	23.60	23.54			
20	16QAM	1	0	23.69	23.79	23.58			
20	16QAM	1	49	23.60	23.74	23.45	24.5	1	
20	16QAM	1	99	23.53	23.70	23.51			
20	16QAM	50	0	22.53	22.67	22.47			
20	16QAM	50	24	22.42	22.37	22.32	23.5	2	
20	16QAM	50	50	22.57	22.61	22.42			
20	16QAM	100	0	22.38	22.62	22.53			
20	64QAM	1	0	22.55	22.73	22.69			
20	64QAM	1	49	22.62	22.63	22.56	23.5	2	
20	64QAM	1	99	22.72	22.64	22.56			
20	64QAM	50	0	21.91	21.58	21.75			
20	64QAM	50	24	21.67	21.42	21.63	22.5	3	
20	64QAM	50	50	21.65	21.73	21.43			
20	64QAM	100	0	21.72	21.59	21.60			
Channel									
Frequency (MHz)									
20060 20175 20325									
15	QPSK	1	0	24.41	24.60	24.46	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	37	24.41	24.54	24.58	25.5	0	
15	QPSK	1	74	24.55	24.32	24.40			
15	QPSK	36	0	23.50	23.46	23.32			
15	QPSK	36	20	23.41	23.37	23.34	24.5	1	
15	QPSK	36	39	23.51	23.49	23.43			
15	QPSK	36	50	23.33	23.31	23.31	24.5	1	
15	16QAM	1	0	23.90	23.69	23.37			
15	16QAM	1	37	23.60	23.69	23.24	24.5	1	
15	16QAM	1	74	23.47	23.55	23.43			
15	16QAM	36	0	22.31	22.63	22.34			
15	16QAM	36	20	22.33	22.27	22.15	23.5	2	
15	16QAM	36	39	22.36	22.27	22.36			
15	16QAM	36	50	22.39	22.61	22.32			
15	64QAM	1	0	22.54	22.64	22.27			
15	64QAM	1	37	22.62	22.49	22.54	23.5	2	
15	64QAM	1	74	22.56	22.42	22.56			
15	64QAM	36	0	21.69	21.44	21.68			
15	64QAM	36	20	21.64	21.44	21.58	22.5	3	
15	64QAM	36	39	21.50	21.66	21.27			
15	64QAM	36	50	21.61	21.48	21.61			
Channel									
20000 20175 20350									
Frequency (MHz)									
1712.5 1732.5 1750									
10	QPSK	1	0	24.40	24.49	24.50	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	25	24.45	24.58	24.42	25.5	0	
10	QPSK	1	49	24.54	24.54	24.54			
10	QPSK	25	0	23.52	23.41	23.19			
10	QPSK	25	12	23.31	23.40	23.26	24.5	1	
10	QPSK	25	25	23.33	23.48	23.43			
10	QPSK	50	0	23.42	23.53	23.47			
10	QPSK	50	1	23.50	23.57	23.58	24.5	1	
10	16QAM	1	0	23.42	23.42	23.33			
10	16QAM	1	49	23.34	23.58	23.34			
10	16QAM	25	0	22.33	22.69	22.26			
10	16QAM	25	12	22.43	22.28	22.28	23.5	2	
10	16QAM	25	25	22.56	22.56	22.36			
10	16QAM	50	0	22.32	22.58	22.20			
10	16QAM	50	1	22.48	22.32	22.65	23.5	2	
10	64QAM	1	25	22.48	22.49	22.47			
10	64QAM	1	49	22.61	22.58	22.35	22.5	3	
10	64QAM	25	0	21.70	21.38	21.60			
10	64QAM	25	12	21.50	21.28	21.50			
10	64QAM	25	25	21.54	21.62	21.62	22.5	3	
10	64QAM	50	0	21.50	21.40	21.40			
Channel									
19975 20175 20375									
Frequency (MHz)									
1712.5 1732.5 1752.5									
5	QPSK	1	0	24.44	24.64	24.44	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	12	24.48	24.59	24.48	25.5	0	
5	QPSK	1	24	24.51	24.40	24.32			
5	QPSK	12	0	23.45	23.33	23.33	24.5	1	
5	QPSK	12	7	23.39	23.43	23.27			
5	QPSK	12	13	23.39	23.39	23.34			
5	QPSK	25	0	23.20	23.41	23.37			
5	16QAM	1	0	23.65	23.75	23.40			
5	16QAM	1	12	23.40	23.57	23.30	24.5	1	
5	16QAM	1	24	23.35	23.70	23.38			
5	16QAM	12	0	22.43	22.45	22.45	23.5	2	
5	16QAM	12	7	22.25	22.16	22.30			
5	16QAM	12	13	22.52	22.56	22.27	23.5	2	
5	16QAM	25	0	22.29	22.63	22.45			
5	64QAM	1	0	22.47	22.63	22.48	23.5	2	
5	64QAM	1	12	22.45	22.55	22.45			
5	64QAM	1	24	22.65	22.56	22.39	22.5	3	
5	64QAM	12	0	21.60	21.51	21.61			
5	64QAM	12	7	21.58	21.28	21.44			
5	64QAM	12	13	21.62	21.54	21.26	22.5	3	
5	64QAM	25	0	21.54	21.40	21.60			
Channel									
1711.5 1732.5 1753.5									
Frequency (MHz)									
1707.5 1727.5 1764.3									
3	QPSK	1	0	24.30	24.63	24.53	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	8	24.48	24.51	24.48	25.5	0	
3	QPSK	1	14	24.45	24.53	24.61			
3	QPSK	8	0	23.39	23.54	23.36			
3	QPSK	8	4	23.23	23.31	23.30	24.5	1	
3	QPSK	8	7	23.47	23.32	23.29			
3	QPSK	15	0	23.39	23.60	23.38			
3	16QAM	1	0	23.85	23.64	23.48	24.5	1	
3	16QAM	1	8	23.54	23.72	23.29			
3	16QAM	1	14	23.49	23.55	23.34			
3	16QAM	8	0	22.38	22.46	22.46	23.5	2	
3	16QAM	8	4	22.18	22.12	22.13			
3	16QAM	8	7	22.54	22.59	22.29	23.5	2	
3	16QAM	15	0	22.30	22.55	22.49			
3	64QAM	1	0	22.35	22.54	22.52			
3	64QAM	1	8	22.40	22.52	22.57	23.5	2	
3	64QAM	1	14	22.37	22.58	22.53			
3	64QAM	8	0	21.55	21.40	21.63			
3	64QAM	8	4	21.51	21.44	21.61	22.5	3	
3	64QAM	8	7	21.65	21.65	21.22			
3	64QAM	15	0	21.65	21.58	21.57			
Channel									
19957 20175 20393									
Frequency (MHz)									
1710.7 1727.5 1764.3									
1.4	QPSK	1	0	24.50	24.67	24.49	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	3	24.42	24.44	24.52	25.5	0	
1.4	QPSK	1	5	24.48	24.38	24.42			
1.4	QPSK	3	0	24.37	24.40	24.30			
1.4	QPSK	3	1	24.35	24.26	24.31	24.5	1	
1.4	QPSK	3	3	24.38	24.21	24.37			
1.4	QPSK	6	0	23.39	23.38	23.35			
1.4	16QAM	1	0	23.66	23.58	23.50	24.5	1	
1.4	16QAM	1	3	23.54	23.71	23.32			
1.4	16QAM	1	5	23.53	23.57	23.29	24.5	1	
1.4	16QAM	3	0	23.44	23.47	23.43			
1.4	16QAM	3	1	23.48	23.58	23.15			
1.4	16QAM	3	3	23.34	23.36	23.36	23.5	2	
1.4	16QAM	6	0	22.16	22.51	22.26			
1.4	64QAM	1	0	22.54	22.70	22.54			
1.4	64QAM	1	3	22.52	22.49	22.56			
1.4	64QAM	1	5	22.73	22.49	22.55	23.5	2	
1.4	64QAM	3	0	22.46	22.68	22.47			
1.4	64QAM	3	2	22.40	22.37	22.36			
1.4	64QAM	3	3	22.55	22.50	22.56			
1.4	64QAM	6	0	21.52	21.40	21.62	22.5	3	



Band 7 Default Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.08	23.16	23.13	24	0	
20	QPSK	1	49	22.95	23.12	23.09			
20	QPSK	1	99	22.87	22.94	22.91			
20	QPSK	50	0	21.97	22.02	21.94			
20	QPSK	50	24	21.81	21.99	21.98	23	1	
20	QPSK	50	50	21.81	21.98	21.92			
20	QPSK	100	0	21.86	21.99	21.97			
20	16QAM	1	0	21.98	22.13	22.06			
20	16QAM	1	49	21.83	21.96	21.84	23	1	
20	16QAM	1	99	22.01	22.02	21.98			
20	16QAM	50	0	20.90	21.05	21.03			
20	16QAM	50	24	20.89	21.00	21.02			
20	16QAM	50	50	20.95	21.05	21.09	22	2	
20	16QAM	100	0	20.99	21.05	21.05			
20	64QAM	1	0	21.06	20.98	20.96			
20	64QAM	1	49	20.91	20.97	20.84			
20	64QAM	1	99	21.20	20.90	20.89	22	2	
20	64QAM	50	0	19.99	20.03	20.02			
20	64QAM	50	24	19.91	19.96	19.96			
20	64QAM	50	50	19.88	20.01	20.02			
20	64QAM	100	0	19.99	20.04	20.04	21	3	
Channel				20625	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.79	22.98	22.85	24	0	
15	QPSK	1	37	22.87	22.82	22.87			
15	QPSK	1	74	22.79	22.73	22.73			
15	QPSK	36	0	21.84	21.76	21.68			
15	QPSK	36	20	21.53	21.70	21.64	23	1	
15	QPSK	36	39	21.50	21.78	21.82			
15	QPSK	75	0	21.66	21.83	21.87			
15	16QAM	1	0	21.76	21.85	21.93			
15	16QAM	1	37	21.72	21.70	21.68	23	1	
15	16QAM	1	74	21.77	21.84	21.75			
15	16QAM	36	0	20.62	20.78	20.94			
15	16QAM	36	20	20.74	20.70	20.91			
15	16QAM	36	39	20.73	20.96	20.98	22	2	
15	16QAM	75	0	20.62	20.86	20.90			
15	64QAM	1	0	20.80	20.77	20.87			
15	64QAM	1	37	20.67	20.72	20.88			
15	64QAM	1	74	20.81	20.64	20.69	21	3	
15	64QAM	36	0	19.88	19.90	19.75			
15	64QAM	36	20	19.83	19.77	19.78			
15	64QAM	36	39	19.56	19.87	19.79			
15	64QAM	75	0	19.84	19.78	19.86	Tune-up limit (dBm)	MPR (dB)	
Channel				20900	21100	21400			
Frequency (MHz)				2502.5	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.83	22.87	22.93	24	0	
10	QPSK	1	25	22.79	22.80	22.90			
10	QPSK	1	49	22.56	22.66	22.62			
10	QPSK	25	0	21.69	21.85	21.74			
10	QPSK	12	0	21.63	21.68	21.76	23	1	
10	QPSK	25	25	21.52	21.75	21.73			
10	QPSK	50	0	21.67	21.87	21.86			
10	16QAM	1	0	21.79	21.83	21.79			
10	16QAM	1	25	21.57	21.72	21.54	23	1	
10	16QAM	1	49	21.82	21.86	21.72			
10	16QAM	25	0	20.69	20.94	20.86			
10	16QAM	25	12	20.60	20.91	20.88			
10	16QAM	25	25	20.85	20.77	20.96	22	2	
10	16QAM	50	0	20.88	20.86	20.82			
10	64QAM	1	0	20.83	20.77	20.66			
10	64QAM	1	25	20.66	20.66	20.61			
10	64QAM	1	49	20.61	20.64	20.74	22	2	
10	64QAM	25	0	19.80	19.83	19.93			
10	64QAM	25	12	19.75	19.80	19.68			
10	64QAM	25	25	19.66	19.77	19.75			
10	64QAM	50	0	19.72	19.74	19.92	21	3	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.78	22.83	22.78	24	0	
5	QPSK	1	12	22.78	22.77	22.88			
5	QPSK	1	24	22.57	22.70	22.55			
5	QPSK	12	0	21.72	21.84	21.64			
5	QPSK	12	7	21.66	21.71	21.59	23	1	
5	QPSK	12	13	21.54	21.81	21.70			
5	QPSK	25	0	21.58	21.65	21.65			
5	16QAM	1	0	21.70	21.97	21.78			
5	16QAM	1	12	21.58	21.76	21.64	23	1	
5	16QAM	1	24	21.85	21.69	21.75			
5	16QAM	12	0	20.55	20.74	20.70			
5	16QAM	12	7	20.57	20.80	20.83			
5	16QAM	12	13	20.81	20.85	20.73	22	2	
5	16QAM	25	0	20.63	20.68	20.85			
5	64QAM	1	0	20.82	20.83	20.59			
5	64QAM	1	12	20.73	20.66	20.59			
5	64QAM	1	24	20.80	20.64	20.68	22	2	
5	64QAM	12	0	19.72	19.88	19.79			
5	64QAM	12	7	19.67	19.67	19.62			
5	64QAM	12	13	19.61	19.62	19.80			
5	64QAM	25	0	19.72	19.71	19.77	21	3	
Channel				20900	21100	21400			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	

Band 12 Default Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23066	23130			
Frequency (MHz)				707.5	707.5	711			
10	QPSK	1	0	24.12	24.36	24.28	25.5	0	
10	QPSK	1	25	24.10	24.19	24.10			
10	QPSK	1	49	23.90	24.25	24.03			
10	QPSK	25	0	23.02	23.36	23.15			
10	QPSK	25	12	22.94	23.14	23.13	24.5	1	
10	QPSK	25	25	23.00	23.35	23.07			
10	QPSK	50	0	23.25	23.34	23.17			
10	16QAM	1	0	23.19	23.43	23.23			
10	16QAM	1	25	23.07	23.28	23.21	24.5	1	
10	16QAM	1	49	23.17	23.02	23.16			
10	16QAM	25	0	22.17	22.28	22.18			
10	16QAM	25	12	22.03	22.34	22.08			
10	16QAM	25	25	21.95	22.25	21.99	23.5	2	
10	16QAM	50	0	22.17	22.30	22.10			
10	64QAM	1	0	22.18	22.33	22.22			
10	64QAM	1	25	22.09	22.22	21.95			
10	64QAM	1	49	22.10	22.16	22.04	23.5	2	
10	64QAM	25	0	21.16	21.30	21.07			
10	64QAM	25	12	21.11	21.26	21.18			
10	64QAM	25	25	20.88	21.38	21.01			
10	64QAM	50	0	20.83	21.08	20.94	22.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.93	24.32	24.10	25.5	0	
5	QPSK	1	12	23.98	24.02	24.07			
5	QPSK	1	24	24.00	24.09	23.91			
5	QPSK	12	0	23.03	23.17	22.98			
5	QPSK	12	7	22.73	23.11	22.98	24.5	1	
5	QPSK	12	13	22.99	23.14	22.86			
5	QPSK	25	0	23.24	23.17	23.05			
5	16QAM	1	0	23.12	23.35	23.15	24.5	1	
5	16QAM	1	12	22.88	23.24	23.00			
5	16QAM	1	24	23.18	22.96	23.11			
5	16QAM	12	7	22.18	22.27	22.11			
5	16QAM	12	7	21.98	22.22	22.00	23.5	2	
5	16QAM	12	13	21.87	22.20	21.89			
5	16QAM	25	0	22.22	21.97	22.02			
5	64QAM	1	0	22.15	22.34	22.02	23.5	2	
5	64QAM	1	12	21.92	22.05	21.88			
5	64QAM	1	24	21.93	22.06	22.05			
5	64QAM	12	0	20.84	21.10	20.85			
5	64QAM	12	7	21.04	21.21	21.01	22.5	3	
5	64QAM	12	13	20.74	21.21	20.95			
5	64QAM	25	0	20.85	20.96	20.74			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.94	24.31	24.08	25.5	0	
3	QPSK	1	8	23.91	24.02	23.87			
3	QPSK	1	14	23.81	24.18	24.01			
3	QPSK	8	0	22.83	23.28	23.15			
3	QPSK	8	8	22.88	23.00	23.15	24.5	1	
3	QPSK	8	7	22.93	23.31	22.89			
3	QPSK	15	0	23.16	23.18	23.03			
3	16QAM	1	0	23.02	23.35	23.03	24.5	1	
3	16QAM	1	8	22.92	23.10	23.00			
3	16QAM	1	14	23.01	22.94	23.09			
3	16QAM	8	0	22.05	22.27	22.10			
3	16QAM	8	4	21.86	22.25	22.09	23.5	2	
3	16QAM	8	7	22.00	22.15	21.84			
3	16QAM	15	0	22.14	22.27	21.94			
3	16QAM	1	0	22.05	22.13	22.03	23.5	2	
3	16QAM	1	5	22.09	22.05	21.98			
3	64QAM	1	14	22.02	22.17	22.05			
3	64QAM	8	0	20.95	21.20	21.00			
3	64QAM	8	4	21.12	21.09	20.98	22.5	3	
3	64QAM	8	7	20.82	21.30	20.93			
3	64QAM	15	0	20.87	21.08	20.86			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.04	24.21	24.20	25.5	0	
1.4	QPSK	1	3	23.88	24.18	23.91			
1.4	QPSK	1	5	23.86	24.20	23.89			
1.4	QPSK	3	0	23.88	24.14	24.10			
1.4	QPSK	3	1	23.70	23.99	23.97	24.5	1	
1.4	QPSK	3	3	23.82	24.16	23.87			
1.4	QPSK	6	0	23.26	23.32	23.14			
1.4	16QAM	1	0	23.03	23.38	23.12			
1.4	16QAM	1	3	23.01	23.20	23.09	24.5	1	
1.4	16QAM	1	5	22.96	22.93	23.07			
1.4	16QAM	3	0	22.85	23.20	23.10			
1.4	16QAM	3	1	22.99	23.11	23.08			
1.4	16QAM	3	3	22.3	22.3	23.02	23.5	2	
1.4	16QAM	6	0	22.14	22.15	22.08			
1.4	64QAM	1	0	22.12	22.26	22.15			
1.4	64QAM	1	3	22.06	22.24	21.78			
1.4	64QAM	1	5	22.11	22.01	21.89	23.5	2	
1.4	64QAM	3	0	22.28	22.09	22.03			
1.4	64QAM	3	1	21.95	22.21	21.82			
1.4	64QAM	3	3	22.08	21.84	21.87			
1.4	64QAM	6	0	20.77	21.10	20.74	22.5	3	



Band 66 Default Ant2										
BW [MHz]	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	24.62	24.59	24.74				
20	QPSK	1	49	24.60	24.56	24.68	24.5	0		
20	QPSK	1	99	24.42	24.56	24.63				
20	QPSK	50	0	23.57	23.65	23.83				
20	QPSK	50	24	23.51	23.55	23.58	24.5	1		
20	QPSK	50	24	23.50	23.50	23.48				
20	QPSK	100	0	23.76	23.91	23.79				
20	16QAM	1	0	23.50	23.49	23.55				
20	16QAM	1	49	23.30	23.62	23.47	24.5	1		
20	16QAM	1	99	23.69	23.51	23.63				
20	16QAM	50	0	22.84	22.52	22.57				
20	16QAM	50	24	22.54	22.54	22.54	23.5	2		
20	16QAM	50	50	22.42	22.52	22.64				
20	16QAM	100	0	22.56	22.78	22.86				
20	64QAM	1	0	22.48	22.62	22.41				
20	64QAM	1	49	22.37	22.55	22.42	23.5	2		
20	64QAM	1	99	22.59	22.86	22.67				
20	64QAM	50	0	21.60	21.79	21.62				
20	64QAM	50	24	21.44	21.63	21.70	22.5	3		
20	64QAM	50	50	21.44	21.67	21.52				
20	64QAM	100	0	21.35	21.49	21.54				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.17	17.63	17.57				
15	QPSK	1	37	24.40	24.68	24.74	25.5	0		
15	QPSK	1	74	24.41	24.56	24.58				
15	QPSK	36	0	23.44	23.84	23.83				
15	QPSK	36	20	23.42	23.35	23.60	24.5	1		
15	QPSK	36	39	23.35	23.52	23.39				
15	QPSK	75	0	23.15	23.76	23.72				
15	16QAM	1	0	23.34	23.33	23.41				
15	16QAM	1	37	23.16	23.61	23.36	24.5	1		
15	16QAM	1	74	23.53	23.34	23.60				
15	16QAM	36	0	22.46	22.41	22.35				
15	16QAM	36	20	22.57	22.24	22.44	23.5	2		
15	16QAM	36	39	22.34	22.52	22.47				
15	16QAM	75	0	22.45	22.79	22.71				
15	64QAM	1	0	22.32	22.43	22.23				
15	64QAM	1	37	22.32	22.37	22.28	23.5	2		
15	64QAM	1	74	22.45	22.54	22.57				
15	64QAM	36	0	21.44	21.78	21.61				
15	64QAM	36	20	21.41	21.61	21.61	22.5	3		
15	64QAM	36	39	21.41	21.51	21.54				
15	64QAM	75	0	21.18	21.49	21.38				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.60	24.80	24.74				
10	QPSK	1	25	24.33	24.35	24.32	25.5	0		
10	QPSK	1	49	24.34	24.34	24.41				
10	QPSK	25	0	23.38	23.78	23.75				
10	QPSK	25	12	23.31	23.33	23.83	24.5	1		
10	QPSK	25	25	23.44	23.59	23.28				
10	QPSK	50	0	23.77	23.85	23.58				
10	16QAM	1	0	23.49	23.81	23.79	24.5	1		
10	16QAM	1	25	23.35	23.35	23.44				
10	16QAM	1	49	23.32	23.63	23.45				
10	16QAM	25	0	22.59	22.33	22.52				
10	16QAM	25	12	22.65	22.24	22.48	23.5	2		
10	16QAM	25	25	22.44	22.58	22.52				
10	16QAM	50	0	22.45	22.71	22.64				
10	64QAM	1	0	22.33	22.42	22.39				
10	64QAM	1	25	22.35	22.95	22.37	23.5	2		
10	64QAM	1	49	22.45	22.81	22.69				
10	64QAM	25	0	21.47	21.78	21.49				
10	64QAM	25	12	21.28	21.50	21.49	22.5	3		
10	64QAM	25	25	21.37	21.58	21.35				
10	64QAM	50	0	21.23	21.47	21.49				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.54	24.71	24.74				
5	QPSK	1	12	24.46	24.56	24.38	25.5	0		
5	QPSK	1	24	24.26	24.50	24.43				
5	QPSK	12	0	23.44	23.65	23.64				
5	QPSK	12	7	23.50	23.92	23.65	24.5	1		
5	QPSK	12	13	23.46	23.47	23.39				
5	QPSK	25	0	23.69	23.87	23.78				
5	16QAM	1	0	23.28	23.42	23.34				
5	16QAM	1	12	23.28	23.57	23.28	24.5	1		
5	16QAM	1	24	23.64	23.49	23.48				
5	16QAM	12	0	22.60	22.42	22.42				
5	16QAM	12	7	22.50	22.38	22.42	23.5	2		
5	16QAM	12	13	22.42	22.32	22.59				
5	16QAM	25	0	22.47	22.71	22.86				
5	64QAM	1	0	22.49	22.58	22.24				
5	64QAM	1	12	22.32	22.32	22.42	23.5	2		
5	64QAM	1	24	22.52	22.79	22.56				
5	64QAM	12	0	21.52	21.64	21.45				
5	64QAM	12	7	21.43	21.47	21.65	22.5	3		
5	64QAM	12	13	21.33	21.49	21.51				
5	64QAM	25	0	21.25	21.29	21.41				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.55	24.69	24.53				
3	QPSK	1	8	24.45	24.42	24.27	25.5	0		
3	QPSK	1	14	24.25	24.45	24.55				
3	QPSK	8	0	23.57	23.73	23.70				
3	QPSK	8	4	23.49	23.50	23.47	24.5	1		
3	QPSK	8	7	23.32	23.41	23.46				
3	QPSK	15	0	23.71	23.78	23.72				
3	16QAM	1	0	23.36	23.34	23.37				
3	16QAM	1	8	23.27	23.51	23.34	24.5	1		
3	16QAM	1	14	23.53	23.38	23.51				
3	16QAM	8	0	22.48	22.48	22.44				
3	16QAM	8	4	22.47	22.47	22.37	23.5	2		
3	16QAM	8	7	22.34	22.43	22.54				
3	16QAM	15	0	22.45	22.73	22.77				
3	64QAM	1	0	22.44	22.52	22.23				
3	64QAM	1	8	22.37	22.55	22.42	23.5	2		
3	64QAM	1	14	22.60	22.65	22.62				
3	64QAM	8	0	21.59	21.51	21.52				
3	64QAM	8	4	21.23	21.45	21.55	22.5	3		
3	64QAM	8	7	21.30	21.65	21.40				
3	64QAM	15	0	21.29	21.43	21.49				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.44	24.44	24.74				
1.4	QPSK	1	3	24.41	24.47	24.41	25.5	0		
1.4	QPSK	1	5	24.28	24.47	24.49				
1.4	QPSK	3	0	24.22	24.56	24.64				
1.4	QPSK	3	1	24.32	24.47	24.42				
1.4	QPSK	3	3	24.27	24.25	24.41				
1.4	QPSK	6	0	23.59	23.87	23.60	24.5	1		
1.4	16QAM	1	0	23.43	23.39	23.45				
1.4	16QAM	1	3	23.26	23.47	23.46				
1.4	16QAM	1	5	23.68	23.31	23.61	24.5	1		
1.4	16QAM	3	0	23.34	23.36	23.27				
1.4	16QAM	3	1	23.37	23.44	23.48				
1.4	16QAM	3	3	23.33	23.33	23.33	23.5	2		
1.4	16QAM	3	5	22.90	22.73	22.87				
1.4	64QAM	1	0	22.49	22.55	22.22				
1.4	64QAM	1	3	22.31	22.36	22.33				
1.4	64QAM	1	5	22.43	22.57	22.51	23.5	2		
1.4	64QAM	3	0	22.36	22.38	22.02				
1.4	64QAM	3	3	22.22	22.37	22.28				
1.4	64QAM	3	3	22.23	22.51	22.49				
1.4	64QAM	6	0	21.16	21.35	21.45	22.5	3		

Band 38 Default Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.50	24.64	24.45			
20	QPSK	1	49	24.58	24.58	24.52	24.5	1	
20	QPSK	1	99	24.45	24.39	24.24			
20	QPSK	50	0	23.56	23.72	23.46			
20	QPSK	50	24	23.52	23.43	23.61	24.5	1	
20	QPSK	50	50	23.53	23.70	23.59			
20	QPSK	100	0	23.47	23.65	23.61			
20	16QAM	1	0	23.48	23.54	23.48	24.5	1	
20	16QAM	1	49	23.49	23.57	23.39			
20	16QAM	1	99	23.66	23.41	23.33			
20	16QAM	50	0	22.63	22.57	22.61	23.5	2	
20	16QAM	50	24	22.70	22.56	22.67			
20	16QAM	50	50	22.53	22.66	22.44			
20	16QAM	100	0	22.57	22.50	22.62	23.5	2	
20	64QAM	1	0	22.46	22.35	22.33			
20	64QAM	1	49	22.63	22.45	22.69			
20	64QAM	1	99	22.70	22.37	22.34	22.5	3	
20	64QAM	50	0	21.65	21.39	21.42			
20	64QAM	50	24	21.77	21.81	21.60			
20	64QAM	50	50	21.75	21.64	21.48	22.5	3	
20	64QAM	100	0	21.89	21.77	21.76			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.51	24.62	24.44			
15	QPSK	1	37	24.57	24.39	24.44	24.5	1	
15	QPSK	1	74	24.44	24.37	24.27			
15	QPSK	36	0	23.46	23.55	23.34			
15	QPSK	36	20	23.32	23.42	23.41	24.5	1	
15	QPSK	36	39	23.42	23.56	23.53			
15	QPSK	75	0	23.41	23.55	23.59			
15	16QAM	1	0	23.46	23.40	23.37	24.5	1	
15	16QAM	1	37	23.32	23.36	23.41			
15	16QAM	1	74	23.65	23.42	23.33			
15	16QAM	36	0	22.46	22.54	22.39	23.5	2	
15	16QAM	36	20	22.68	22.55	22.49			
15	16QAM	36	39	22.35	22.55	22.25			
15	16QAM	75	0	22.39	22.32	22.62	23.5	2	
15	64QAM	1	0	22.42	22.29	22.32			
15	64QAM	1	37	22.59	22.45	22.69			
15	64QAM	1	74	22.54	22.36	22.29	22.5	3	
15	64QAM	36	0	21.60	21.25	21.44			
15	64QAM	36	20	21.63	21.74	21.52			
15	64QAM	36	39	21.73	21.59	21.41	22.5	3	
15	64QAM	75	0	21.85	21.57	21.66			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.51	24.42	24.26			
10	QPSK	1	25	24.55	24.48	24.43	24.5	1	
10	QPSK	1	49	24.44	24.35	24.13			
10	QPSK	25	0	23.49	23.52	23.48			
10	QPSK	25	12	23.40	23.26	23.43	24.5	1	
10	QPSK	25	25	23.36	23.53	23.50			
10	QPSK	50	0	23.31	23.56	23.61			
10	16QAM	1	0	23.26	23.47	23.35	24.5	1	
10	16QAM	1	25	23.44	23.37	23.34			
10	16QAM	1	49	23.66	23.27	23.33			
10	16QAM	25	0	22.44	22.42	22.63	23.5	2	
10	16QAM	25	12	22.60	22.54	22.49			
10	16QAM	25	25	22.39	22.63	22.44			
10	16QAM	50	0	22.44	22.29	22.56	23.5	2	
10	64QAM	1	0	22.46	22.33	22.30			
10	64QAM	1	25	22.51	22.42	22.48			
10	64QAM	1	49	22.61	22.32	22.12	22.5	3	
10	64QAM	25	0	21.58	21.24	21.33			
10	64QAM	25	12	21.61	21.73	21.41			
10	64QAM	25	25	21.70	21.62	21.33	22.5	3	
10	64QAM	50	0	21.90	21.60	21.63			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.37	24.47	24.45			
5	QPSK	1	12	24.53	24.53	24.41	24.5	1	
5	QPSK	1	24	24.35	24.34	24.20			
5	QPSK	12	0	23.48	23.67	23.42			
5	QPSK	12	7	23.48	23.23	23.50	24.5	1	
5	QPSK	12	13	23.48	23.71	23.56			
5	QPSK	25	0	23.30	23.56	23.45			
5	16QAM	1	0	23.46	23.44	23.49	24.5	1	
5	16QAM	1	12	23.37	23.39	23.18			
5	16QAM	1	24	23.52	23.39	23.24			
5	16QAM	12	0	22.60	22.36	22.51	23.5	2	
5	16QAM	12	7	22.55	22.38	22.54			
5	16QAM	12	13	22.33	22.63	22.33			
5	16QAM	25	0	22.37	22.40	22.53	23.5	2	
5	64QAM	1	0	22.39	22.15	22.28			
5	64QAM	1	12	22.50	22.45	22.63			
5	64QAM	1	24	22.51	22.18	22.18	22.5	3	
5	64QAM	12	0	21.57	21.37	21.42			
5	64QAM	12	7	21.57	21.82	21.60			
5	64QAM	12	13	21.75	21.55	21.42	22.5	3	
5	64QAM	25	0	21.87	21.72	21.78			

Band 41 Default Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				39750	40185	40620	41055	41490	25.5
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.55	24.54	24.70	24.58	24.54	
20	QPSK	1	49	24.59	24.60	24.66	24.55	24.52	24.5
20	QPSK	1	99	24.45	24.43	24.46	24.49	24.33	
20	QPSK	50	0	23.70	23.67	23.89	23.69	23.65	
20	QPSK	50	24	23.55	23.52	23.62	23.64	23.87	24.5
20	QPSK	50	50	23.70	23.69	23.83	23.71	23.82	
20	QPSK	100	0	23.54	23.49	23.73	23.68	23.66	
20	16QAM	1	0	23.71	23.58	23.60	23.62	23.60	24.5
20	16QAM	1	49	23.58	23.50	23.69	23.89	23.59	
20	16QAM	1	99	23.55	23.45	23.69	23.48	23.55	
20	16QAM	50	0	22.58	22.61	22.85	22.83	22.90	23.5
20	16QAM	50	24	22.67	22.61	22.60	22.77	22.80	
20	16QAM	50	50	22.81	22.61	22.75	22.70	22.81	
20	16QAM	100	0	22.78	22.75	22.83	22.90	22.78	23.5
20	64QAM	1	0	22.54	22.63	22.60	22.78	22.54	
20	64QAM	1	49	22.82	22.63	22.73	22.87	22.69	
20	64QAM	1	99	22.63	22.64	22.90	22.72	22.58	22.5
20	64QAM	50	0	21.46	21.32	21.63	21.47	21.48	
20	64QAM	50	24	21.41	21.38	21.48	21.57	21.62	
20	64QAM	50	50	21.57	21.37	21.52	21.71	21.55	22.5
20	64QAM	100	0	21.62	21.58	21.80	21.75	21.54	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	MPR (dB)
15	QPSK	1	0	24.39	24.45	24.58	24.40	24.43	26
15	QPSK	1	37	24.44	24.40	24.67	24.39	24.33	
15	QPSK	1	74	24.40	24.33	24.40	24.33	24.26	
15	QPSK	36	0	23.60	23.58	23.74	23.63	23.48	24.5
15	QPSK	36	20	23.57	23.47	23.45	23.65	23.79	
15	QPSK	36	39	23.54	23.55	23.81	23.66	23.62	
15	QPSK	75	0	23.54	23.57	23.56	23.51	23.50	24.5
15	16QAM	1	0	23.65	23.57	23.49	23.58	23.47	
15	16QAM	1	37	23.44	23.44	23.48	23.77	23.37	
15	16QAM	1	74	23.40	23.49	23.68	23.31	23.48	23.5
15	16QAM	36	0	22.59	22.48	22.65	22.73	22.80	
15	16QAM	36	20	22.39	22.49	22.48	22.69	22.76	
15	16QAM	36	39	22.66	22.69	22.55	22.68	22.64	23.5
15	16QAM	75	0	22.78	22.66	22.65	22.74	22.74	
15	64QAM	1	0	22.46	22.56	22.40	22.64	22.46	
15	64QAM	1	37	22.76	22.83	22.58	22.79	22.62	23.5
15	64QAM	1	74	22.53	22.53	22.75	22.66	22.57	
15	64QAM	36	0	21.40	21.45	21.53	21.45	21.36	
15	64QAM	36	20	21.25	21.35	21.48	21.57	21.47	22.5
15	64QAM	36	39	21.41	21.53	21.52	21.66	21.45	
15	64QAM	75	0	21.83	21.56	21.59	21.67	21.48	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	MPR (dB)
10	QPSK	1	0	24.51	24.43	24.49	24.44	24.46	26
10	QPSK	1	25	24.54	24.56	24.48	24.55	24.35	
10	QPSK	1	49	24.44	24.45	24.31	24.32	24.26	
10	QPSK	25	0	23.59	23.58	23.79	23.55	23.52	24.5
10	QPSK	25	12	23.46	23.56	23.59	23.53	23.70	
10	QPSK	25	25	23.61	23.55	23.75	23.59	23.60	
10	QPSK	50	0	23.37	23.55	23.63	23.50	23.66	24.5
10	16QAM	1	0	23.61	23.56	23.42	23.55	23.52	
10	16QAM	1	25	23.55	23.54	23.57	23.77	23.56	
10	16QAM	1	49	23.57	23.45	23.66	23.41	23.50	23.5
10	16QAM	25	0	22.51	22.46	22.86	22.80	22.72	
10	16QAM	25	12	22.48	22.56	22.43	22.73	22.65	
10	16QAM	25	25	22.80	22.71	22.61	22.50	22.77	23.5
10	16QAM	50	0	22.77	22.73	22.78	22.82	22.61	
10	64QAM	1	0	22.38	22.54	22.47	22.64	22.48	
10	64QAM	1	25	22.74	22.70	22.69	22.80	22.71	23.5
10	64QAM	1	49	22.54	22.45	22.69	22.62	22.48	
10	64QAM	25	0	21.35	21.46	21.60	21.30	21.30	
10	64QAM	25	12	21.34	21.24	21.47	21.49	21.56	22.5
10	64QAM	25	25	21.54	21.42	21.46	21.54	21.40	
10	64QAM	50	0	21.47	21.65	21.63	21.70	21.38	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	MPR (dB)
5	QPSK	1	0	24.39	24.57	24.65	24.42	24.39	26
5	QPSK	1	12	24.54	24.53	24.66	24.34	24.54	
5	QPSK	1	24	24.23	24.49	24.43	24.50	24.21	
5	QPSK	12	0	23.51	23.65	23.85	23.47	23.58	24.5
5	QPSK	12	7	23.36	23.39	23.43	23.62	23.72	
5	QPSK	12	13	23.51	23.74	23.65	23.49	23.79	
5	QPSK	25	0	23.52	23.49	23.64	23.56	23.49	24.5
5	16QAM	1	0	23.64	23.54	23.53	23.54	23.48	
5	16QAM	1	12	23.49	23.44	23.63	23.86	23.53	
5	16QAM	1	24	23.40	23.42	23.62	23.37	23.54	23.5
5	16QAM	12	0	22.57	22.44	22.85	22.74	22.81	
5	16QAM	12	7	22.44	22.40	22.51	22.73	22.68	
5	16QAM	12	13	22.61	22.69	22.72	22.53	22.71	23.5
5	16QAM	25	0	22.73	22.64	22.64	22.69	22.79	
5	64QAM	1	0	22.51	22.35	22.40	22.57	22.51	
5	64QAM	1	12	22.80	22.82	22.52	22.73	22.58	23.5
5	64QAM	1	24	22.63	22.53	22.80	22.59	22.40	
5	64QAM	12	0	21.27	21.27	21.53	21.31	21.37	
5	64QAM	12	7	21.29	21.43	21.43	21.49	21.49	22.5
5	64QAM	12	13	21.53	21.40	21.53	21.62	21.49	
5	64QAM	25	0	21.64	21.54	21.67	21.76	21.45	3



Band 2 Default Ant4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				16700	16800	16900					
Frequency (MHz)				1660	1680	1690					
20	QPSK	1	0	23.62	23.81	23.77	25.5	0			
20	QPSK	1	49	23.80	23.69	23.56					
20	QPSK	1	99	23.56	23.67	23.74					
20	QPSK	50	0	22.96	23.01	22.76					
20	QPSK	50	24	23.90	22.94	22.74	24.5	1			
20	QPSK	50	50	22.78	22.76	22.79					
20	QPSK	100	0	22.71	22.74	22.53					
20	16QAM	1	0	22.80	22.81	22.71					
20	16QAM	1	49	22.80	22.76	22.75	24.5	1			
20	16QAM	1	99	22.62	22.77	22.82					
20	16QAM	50	0	21.73	21.81	21.67					
20	16QAM	50	24	21.74	21.81	21.55					
20	16QAM	50	50	21.55	21.59	21.69	23.5	2			
20	16QAM	100	0	21.65	21.79	21.79					
20	64QAM	1	0	21.59	21.85	21.75					
20	64QAM	1	49	21.81	21.71	21.63					
20	64QAM	1	99	21.60	21.74	21.64	23.5	2			
20	64QAM	50	0	20.55	20.88	20.80					
20	64QAM	50	24	20.73	20.85	20.83					
20	64QAM	50	50	20.88	20.73	20.84					
20	64QAM	100	0	20.50	20.72	20.80	22.5	3			
Channel				18675	18900	19125					
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	23.50	23.71	23.63	25.5	0			
15	QPSK	1	37	23.76	23.66	23.58					
15	QPSK	1	74	23.56	23.62	23.54					
15	QPSK	36	0	22.98	22.94	22.77					
15	QPSK	36	20	22.99	22.87	22.63	24.5	1			
15	QPSK	36	39	22.58	22.70	22.75					
15	QPSK	75	0	22.72	22.66	22.50					
15	16QAM	1	0	22.77	22.79	22.69					
15	16QAM	1	37	22.71	22.70	22.63	24.5	1			
15	16QAM	1	74	22.50	22.71	22.62					
15	16QAM	36	0	21.68	21.62	21.53					
15	16QAM	36	20	21.71	21.51	21.54					
15	16QAM	36	39	21.52	21.53	21.57	23.5	2			
15	16QAM	75	0	21.55	21.75	21.70					
15	64QAM	1	0	21.58	21.66	21.54					
15	64QAM	1	37	21.78	21.68	21.53					
15	64QAM	1	74	21.59	21.53	21.80	23.5	2			
15	64QAM	36	0	20.59	20.74	20.65					
15	64QAM	36	20	20.72	20.84	20.83					
15	64QAM	36	39	20.76	20.73	20.55					
15	64QAM	75	0	20.57	20.51	20.74	22.5	3			
Channel				18650	18900	19150					
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	23.51	23.66	23.59	25.5	0			
10	QPSK	1	25	23.71	23.52	23.50					
10	QPSK	1	49	23.50	23.60	23.69					
10	QPSK	25	0	22.75	23.00	22.76					
10	QPSK	25	12	22.84	22.95	22.69	24.5	1			
10	QPSK	25	25	22.66	22.66	22.74					
10	QPSK	50	0	22.58	22.64	22.54					
10	16QAM	1	0	22.69	22.64	22.67					
10	16QAM	1	25	22.59	22.62	22.75	24.5	1			
10	16QAM	1	49	22.58	22.70	22.50					
10	16QAM	25	0	21.55	21.72	21.50					
10	16QAM	25	12	21.60	21.60	21.51					
10	16QAM	25	25	21.55	21.59	21.70	23.5	2			
10	16QAM	50	0	21.56	21.66	21.73					
10	64QAM	1	0	21.59	21.69	21.73					
10	64QAM	1	25	21.74	21.53	21.51					
10	64QAM	1	49	21.53	21.72	21.60	22.5	3			
10	64QAM	25	0	20.50	20.82	20.67					
10	64QAM	25	12	20.57	20.85	20.85					
10	64QAM	25	25	20.77	20.67	20.52					
10	64QAM	50	0	20.50	20.64	20.67	Tune-up limit (dBm) MPR (dB)				
Channel				18625	18900	19175					
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	23.56	23.73	23.62	25.5	0			
5	QPSK	1	12	23.68	23.70	23.57					
5	QPSK	1	24	23.58	23.50	23.53					
5	QPSK	12	0	22.75	22.88	22.65					
5	QPSK	12	7	22.93	22.89	22.75	24.5	1			
5	QPSK	12	13	22.62	22.70	22.57					
5	QPSK	25	0	22.63	22.69	22.58					
5	16QAM	1	0	22.63	22.63	22.54					
5	16QAM	1	12	22.60	22.63	22.66	24.5	1			
5	16QAM	1	24	22.52	22.68	22.56					
5	16QAM	12	0	21.73	21.65	21.52					
5	16QAM	12	7	21.73	21.50	21.59					
5	16QAM	12	13	21.50	21.55	21.54	23.5	2			
5	16QAM	25	0	21.55	21.65	21.73					
5	64QAM	1	0	21.61	21.71	21.68					
5	64QAM	1	12	21.81	21.51	21.58					
5	64QAM	1	24	21.59	21.66	21.55	23.5	2			
5	64QAM	12	0	20.52	20.82	20.69					
5	64QAM	12	7	20.52	20.82	20.74					
5	64QAM	12	13	20.76	20.52	20.59					
5	64QAM	25	0	20.51	20.57	20.77	Tune-up limit (dBm) MPR (dB)				
Channel				18615	18900	19185					
Frequency (MHz)				1851.5	1880	1908.5					
3	QPSK	1	0	23.59	23.78	23.65	25.5	0			
3	QPSK	1	8	23.66	23.66	23.50					
3	QPSK	1	14	23.66	23.58	23.59					
3	QPSK	8	0	22.82	22.85	22.66					
3	QPSK	8	4	22.94	22.95	22.63	24.5	1			
3	QPSK	8	7	22.69	22.78	22.69					
3	QPSK	15	0	22.53	22.62	22.51					
3	16QAM	1	0	22.72	22.74	22.64					
3	16QAM	1	8	22.82	22.72	22.68	24.5	1			
3	16QAM	1	14	22.59	22.61	22.51					
3	16QAM	8	0	21.70	21.76	21.58					
3	16QAM	8	4	21.73	21.50	21.58					
3	16QAM	8	7	21.53	21.58	21.59	23.5	2			
3	16QAM	15	0	21.65	21.79	21.80					
3	64QAM	1	0	21.50	21.80	21.63					
3	64QAM	1	8	21.76	21.59	21.63					
3	64QAM	1	14	21.59	21.57	21.55	23.5	2			
3	64QAM	8	0	20.54	20.81	20.74					
3	64QAM	8	4	20.66	20.79	20.67					
3	64QAM	8	7	20.67	20.72	20.52					
3	64QAM	15	0	20.58	20.55	20.69	Tune-up limit (dBm) MPR (dB)				
Channel				18607	18900	19193					
Frequency (MHz)				1850.7	1860	1909.3					
1.4	QPSK	1	0	23.51	23.77	23.73	25.5	0			
1.4	QPSK	1	3	23.71	23.63	23.53					
1.4	QPSK	1	5	23.55	23.57	23.63					
1.4	QPSK	3	0	23.56	23.74	23.73					
1.4	QPSK	3	1	23.51	23.62	23.53	24.5	1			
1.4	QPSK	3	3	23.53	23.52	23.54					
1.4	QPSK	6	0	22.67	22.68	22.67					
1.4	16QAM	1	0	22.81	22.77	22.69					
1.4	16QAM	1	3	22.65	22.75	22.68	24.5	1			
1.4	16QAM	1	5	22.64	22.71	22.73					
1.4	16QAM	3	0	22.82	22.60	22.56					
1.4	16QAM	3	1	22.60	22.59	22.56					
1.4	16QAM	3	2	22.56	22.56	22.56	23.5	2			
1.4	16QAM	6	0	21.81	21.59	21.61					
1.4	64QAM	1	0	21.50	21.65	21.70					
1.4	64QAM	1	3	21.64	21.50	21.55					
1.4	64QAM	1	5	21.50	21.64	21.66					
1.4	64QAM	3	0	21.59	21.56	21.70					
1.4	64QAM	3	1	21.58	21.56	21.62					
1.4	64QAM	3	2	21.58	21.57	21.56					
1.4	64QAM	6	0	20.68	20.68	20.81					

Reduced Power for WWAN

GSM850 DS1 Ant1								
GSM850	Burst Average Power (dBm)			Frame Average Power (dBm)				
TX Channel	128	189	251	Turnup Limit (dBm)	128	189	251	Turnup Limit (dBm)
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.12	33.39	33.20	33.50	24.12	24.39	24.20	24.50
GPRS 1 Tx slot	33.08	33.37	33.16	33.50	24.08	24.37	24.16	24.50
GPRS 2 Tx slots	28.58	28.65	28.79	29.50	22.58	22.65	22.79	23.50
GPRS 3 Tx slots	26.75	27.01	27.15	28.00	22.49	22.75	22.89	23.74
GPRS 4 Tx slots	25.72	25.72	25.74	27.00	22.65	22.72	22.74	24.00
EDGE 1 Tx slot	26.48	26.57	26.39	28.00	17.48	17.57	17.39	19.00
EDGE 2 Tx slots	23.83	23.85	23.84	25.00	17.83	17.85	17.84	19.00
EDGE 3 Tx slots	22.16	22.27	21.97	23.00	17.90	18.01	17.71	18.74
EDGE 4 Tx slots	20.94	20.95	20.89	22.50	17.94	17.95	17.89	19.50

		GSM1900 DS1R Ant1						
GSM1900		Burst Average Power (dBm)			Frame-Average Power (dBm)			
TX Channel		512	661	810	Tune-up Limit	661	810	
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1880	1909.8	
GSM 1 Tx slot		30.08	30.01	30.15	30.50	21.08	21.01	21.15
GPRS 1 Tx slot		30.06	30.13	30.12	30.50	21.06	21.13	21.15
GPRS 2 Tx slots		25.70	25.55	25.75	26.50	19.70	19.55	20.50
GPRS 3 Tx slots		23.90	23.76	24.01	25.00	19.64	19.50	20.74
GPRS 4 Tx slots		22.68	22.74	22.83	24.00	19.68	19.74	20.83
EDGE 1 Tx slot		25.72	25.45	25.69	27.00	16.72	16.45	16.69
EDGE 2 Tx slots		23.25	22.97	23.25	23.50	17.25	16.97	17.25
EDGE 3 Tx slots		21.76	21.79	21.75	22.00	17.50	17.53	17.49
EDGE 4 Tx slots		19.75	19.67	19.78	21.50	16.75	16.67	16.78

		WCDMA II DS1 Ant1					WCDMA IV DS1 Ant1					WCDMA V DS1 Ant1				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)			
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233				
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458				
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2kbps	23.97	24.03	23.99	25.50	24.01	24.07	23.99	25.50	24.51	24.50	24.37	25.50			
3GPP Rel 99	RMC 12.2kbps	24.03	24.11	23.98	25.50	24.06	24.16	24.10	25.50	24.50	24.53	24.49	25.50			
3GPP Rel 6	HSDPA Subtest-1	22.94	22.90	22.94	24.00	22.84	22.91	22.67	24.00	23.50	23.39	23.44	24.00			
3GPP Rel 6	HSDPA Subtest-2	23.01	22.96	22.93	24.00	22.90	22.90	22.81	24.00	23.27	23.43	23.24	24.00			
3GPP Rel 6	HSDPA Subtest-3	22.53	22.28	22.36	24.00	22.25	22.23	22.26	24.00	22.97	22.74	22.81	24.00			
3GPP Rel 6	HSDPA Subtest-4	22.53	22.50	22.31	24.00	22.38	22.21	22.27	24.00	22.78	22.97	22.82	24.00			
3GPP Rel 8	DC-HSDPA Subtest-1	23.01	22.90	22.98	24.00	23.17	22.91	23.06	24.00	23.38	23.27	23.32	24.00			
3GPP Rel 8	DC-HSDPA Subtest-2	23.03	22.90	23.00	24.00	23.07	22.94	22.75	24.00	23.35	23.29	23.17	24.00			
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.72	22.58	24.00	22.43	22.56	22.40	24.00	22.87	22.77	22.76	24.00			
3GPP Rel 8	DC-HSDPA Subtest-4	22.54	22.44	22.25	24.00	22.71	22.24	22.57	24.00	22.98	22.88	22.75	24.00			
3GPP Rel 6	HSUPA Subtest-1	21.42	21.41	21.54	23.00	21.57	21.52	21.53	23.00	22.93	22.89	22.88	23.00			
3GPP Rel 6	HSUPA Subtest-2	21.16	21.12	21.24	23.00	21.30	21.29	21.48	23.00	21.26	21.16	21.29	23.00			
3GPP Rel 6	HSUPA Subtest-3	21.41	21.18	21.44	23.00	21.42	21.37	21.62	23.00	22.19	22.24	22.36	23.00			
3GPP Rel 6	HSUPA Subtest-4	21.22	21.49	21.43	23.00	21.46	21.66	21.53	23.00	21.17	21.23	21.25	23.00			
3GPP Rel 6	HSUPA Subtest-5	21.52	21.47	21.52	23.00	21.73	21.58	21.73	23.00	22.97	23.00	22.84	23.00			

Band 2 DSH Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.83	24.01	23.90	25.5	0		
20	QPSK	1	49	23.66	23.88	23.76				
20	QPSK	1	99	23.78	23.77	23.71				
20	QPSK	50	0	22.95	22.96	22.76				
20	QPSK	50	24	22.79	22.69	22.63	24.5	1		
20	QPSK	50	50	22.77	22.71	22.68				
20	QPSK	100	0	22.63	22.80	22.65				
20	16QAM	1	0	23.27	23.30	23.17				
20	16QAM	1	49	23.07	22.85	23.00	24.5	1		
20	16QAM	1	99	22.99	22.90	23.00				
20	16QAM	50	0	21.79	21.78	21.70				
20	16QAM	50	24	21.71	21.70	21.58				
20	16QAM	50	50	21.61	21.55	21.56	23.5	2		
20	16QAM	100	0	21.67	21.57	21.81				
20	64QAM	1	0	21.96	21.78	21.64				
20	64QAM	1	49	21.78	21.70	21.71				
20	64QAM	1	99	21.66	21.54	21.62	23.5	2		
20	64QAM	50	0	20.80	20.80	20.80				
20	64QAM	50	24	20.63	20.67	20.67				
20	64QAM	50	50	20.62	20.61	20.66				
20	64QAM	100	0	20.53	20.75	20.82	22.5	3		
Channel				18675	18900	19125				
Frequency (MHz)				18675	18900	19025				
15	QPSK	1	0	23.66	23.98	23.88	25.5	0		
15	QPSK	1	37	23.78	23.78	23.78				
15	QPSK	1	74	23.78	23.63	23.53				
15	QPSK	36	0	22.79	22.83	22.77				
15	QPSK	36	20	22.74	22.50	22.53	24.5	1		
15	QPSK	36	39	22.66	22.53	22.66				
15	QPSK	75	0	22.64	22.77	22.60				
15	16QAM	1	0	23.00	22.98	23.16				
15	16QAM	1	37	22.96	22.96	22.86	24.5	1		
15	16QAM	1	74	22.95	22.86	22.82				
15	16QAM	36	0	21.80	21.78	21.72				
15	16QAM	36	20	21.55	21.51	21.57				
15	16QAM	36	39	21.56	21.52	21.67	23.5	2		
15	16QAM	75	0	21.56	21.54	21.66				
15	64QAM	1	0	21.77	21.79	21.60				
15	64QAM	1	37	21.73	21.69	21.63				
15	64QAM	1	74	21.50	21.59	21.61	23.5	2		
15	64QAM	36	0	20.67	20.83	20.67				
15	64QAM	36	20	20.50	20.66	20.58				
15	64QAM	36	39	20.60	20.63	20.53				
15	64QAM	75	0	20.50	20.75	20.64	22.5	3		
Channel				18650	18900	19150				
Frequency (MHz)				18650	18900	19050				
10	QPSK	1	0	23.78	23.94	23.83	25.5	0		
10	QPSK	1	25	23.61	23.85	23.59				
10	QPSK	1	49	23.62	23.72	23.57				
10	QPSK	25	0	22.76	22.84	22.55				
10	QPSK	25	12	22.58	22.59	22.57	24.5	1		
10	QPSK	25	25	22.73	22.65	22.58				
10	QPSK	50	0	22.57	22.59	22.62				
10	16QAM	1	0	23.17	22.95	23.18				
10	16QAM	1	25	22.99	22.78	23.01	24.5	1		
10	16QAM	1	49	22.81	22.79	22.93				
10	16QAM	25	0	21.70	21.74	21.58				
10	16QAM	25	12	21.68	21.72	21.53				
10	16QAM	25	25	21.53	21.58	21.56	23.5	2		
10	16QAM	50	0	21.50	21.55	21.83				
10	64QAM	1	0	21.81	21.74	21.57				
10	64QAM	1	25	21.61	21.58	21.53				
10	64QAM	1	49	21.59	21.57	21.62	23.5	2		
10	64QAM	25	0	20.64	20.87	20.62				
10	64QAM	25	12	20.53	20.69	20.55				
10	64QAM	25	25	20.62	20.55	20.60				
10	64QAM	50	0	20.79	20.59	20.75	22.5	3		
Channel				18625	18900	19175				
Frequency (MHz)				18625	18800	19075				
5	QPSK	1	0	23.82	23.83	23.86	25.5	0		
5	QPSK	1	12	23.67	23.80	23.69				
5	QPSK	1	24	23.76	23.56	23.57				
5	QPSK	12	0	22.86	22.74	22.63				
5	QPSK	12	7	22.72	22.67	22.53	24.5	1		
5	QPSK	12	13	22.78	22.73	22.56				
5	QPSK	25	0	22.61	22.59	22.53				
5	16QAM	1	0	23.12	22.98	23.06				
5	16QAM	1	12	22.90	22.73	22.85	24.5	1		
5	16QAM	1	24	22.79	22.87	22.88				
5	16QAM	12	0	21.69	21.57	21.59				
5	16QAM	12	7	21.83	21.57	21.61				
5	16QAM	12	13	21.63	21.54	21.57	23.5	2		
5	16QAM	25	0	21.58	21.69	21.80				
5	64QAM	1	0	21.79	21.59	21.67				
5	64QAM	1	12	21.69	21.70	21.62				
5	64QAM	1	24	21.70	21.55	21.50	23.5	2		
5	64QAM	12	0	20.62	20.70	20.76				
5	64QAM	12	7	20.64	20.56	20.58				
5	64QAM	12	13	20.65	20.54	20.65				
5	64QAM	25	0	20.69	20.74	20.70	22.5	3		
Channel				18615	18900	19185				
Frequency (MHz)				18615	18800	19085				
3	QPSK	1	0	23.75	23.95	23.92	25.5	0		
3	QPSK	1	8	23.53	23.90	23.55				
3	QPSK	1	14	23.60	23.65	23.56				
3	QPSK	8	0	22.82	22.89	22.59				
3	QPSK	8	4	22.67	22.85	22.60	24.5	1		
3	QPSK	8	7	22.53	22.54	22.66				
3	QPSK	15	0	22.61	22.74	22.52				
3	16QAM	1	0	23.28	23.14	22.99				
3	16QAM	1	8	22.89	22.79	22.89	24.5	1		
3	16QAM	1	14	22.91	22.82	22.97				
3	16QAM	8	0	21.58	21.57	21.60				
3	16QAM	8	4	21.69	21.56	21.59				
3	16QAM	8	7	21.59	21.55	21.55	23.5	2		
3	16QAM	15	0	21.59	21.74	21.67				
3	64QAM	1	0	21.77	21.66	21.53				
3	64QAM	1	8	21.77	21.61	21.56				
3	64QAM	1	14	21.52	21.60	21.55	23.5	2		
3	64QAM	8	0	20.50	20.85	20.60				
3	64QAM	8	4	20.86	20.69	20.75				
3	64QAM	8	7	20.62	20.85	20.58				
3	64QAM	15	0	20.67	20.73	20.69	22.5	3		
Channel				18607	18900	19193				
Frequency (MHz)				18607	18900	19092				
1.4	QPSK	1	0	23.71	23.93	23.78	25.5	0		
1.4	QPSK	1	3	23.54	23.88	23.75				
1.4	QPSK	1	5	23.69	23.77	23.81				
1.4	QPSK	3	0	23.61	23.90	23.75				
1.4	QPSK	3	1	23.56	23.71	23.66	24.5	1		
1.4	QPSK	6	0	23.64	23.75	23.52				
1.4	16QAM	1	0	23.14	22.96	22.95				
1.4	16QAM	1	3	23.06	22.84	22.69				
1.4	16QAM	1	5	22.96	22.87	22.84	24.5	1		
1.4	16QAM	3	0	22.93	22.78	23.05				
1.4	16QAM	3	1	22.93	22.70	22.78				
1.4	16QAM	3	2	22.92	22.70	22.84				
1.4	16QAM	3	3	21.79	21.52	21.62	23.5	2		
1.4	64QAM	1	0	21.83	21.59	21.59				
1.4	64QAM	1	3	21.80	21.51	21.61				
1.4	64QAM	1	5	21.84	21.54	21.53				
1.4	64QAM	3	0	21.82	21.71	21.54	23.5	2		
1.4	64QAM	3	1	21.79	21.52	21.62				
1.4	64QAM	3	3	21.68	21.68	21.60				
1.4	64QAM	6	0	20.65	20.74	20.64				

Band 7 DSH Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2507.5	2535	2560					
20	QPSK	1	0	23.19	23.39	23.38	24	0			
20	QPSK	1	49	23.06	23.12	23.04					
20	QPSK	1	99	23.03	23.18	23.14					
20	QPSK	50	0	21.92	22.10	21.96	23	1			
20	QPSK	50	24	21.81	21.99	21.86					
20	QPSK	50	50	21.88	22.03	21.93					
20	QPSK	100	0	21.96	22.09	21.98	23	1			
20	16QAM	1	0	22.58	22.67	22.56					
20	16QAM	1	49	22.37	22.62	22.31					
20	16QAM	1	99	22.33	22.45	22.28	22	2			
20	16QAM	50	0	21.22	21.34	21.24					
20	16QAM	50	24	21.16	21.25	21.21					
20	16QAM	50	50	21.16	21.34	21.26	22	2			
20	16QAM	100	0	21.22	21.33	21.24					
20	64QAM	1	0	21.35	21.41	21.43					
20	64QAM	1	49	21.31	21.22	21.09	22	2			
20	64QAM	1	99	21.33	21.19	21.11					
20	64QAM	50	0	20.09	20.21	20.12					
20	64QAM	50	24	20.03	20.11	20.05	21	3			
20	64QAM	50	50	20.04	20.18	20.16					
20	64QAM	100	0	20.13	20.22	20.13					
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	23.06	23.20	23.08	24	0			
15	QPSK	1	37	23.04	23.12	23.24					
15	QPSK	1	74	23.02	23.13	23.02					
15	QPSK	36	0	21.70	22.01	21.87	23	1			
15	QPSK	36	20	21.83	21.98	21.82					
15	QPSK	36	39	21.79	22.06	21.85					
15	QPSK	75	0	21.82	21.98	21.81	23	1			
15	16QAM	1	0	22.19	22.26	22.25					
15	16QAM	1	37	22.28	22.37	22.21					
15	16QAM	1	74	22.39	22.32	22.22	22	2			
15	16QAM	36	0	21.02	21.24	21.19					
15	16QAM	36	20	21.12	21.24	21.16					
15	16QAM	36	39	21.09	21.29	21.17	22	2			
15	16QAM	75	0	21.12	21.24	21.15					
15	64QAM	1	0	21.01	21.17	21.03					
15	64QAM	1	37	20.99	21.12	21.16	22	2			
15	64QAM	1	74	21.13	21.29	21.17					
15	64QAM	36	0	19.72	19.93	19.86					
15	64QAM	36	20	19.81	19.96	19.83	21	3			
15	64QAM	36	39	19.80	20.00	19.85					
15	64QAM	75	0	19.82	19.96	19.85					
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	23.02	23.11	23.01	24	0			
10	QPSK	1	25	22.82	22.92	23.00					
10	QPSK	1	49	22.97	23.10	23.04					
10	QPSK	25	0	21.94	21.99	21.99	23	1			
10	QPSK	25	12	21.89	22.03	21.99					
10	QPSK	25	25	21.96	22.08	22.00					
10	QPSK	50	0	21.91	22.08	22.03	23	1			
10	16QAM	1	0	22.33	22.46	22.31					
10	16QAM	1	25	22.29	22.47	22.22					
10	16QAM	1	49	22.38	22.52	22.29	22	2			
10	16QAM	25	0	20.99	20.99	21.00					
10	16QAM	25	12	20.82	20.98	21.06					
10	16QAM	25	25	20.86	20.95	21.06	22	2			
10	16QAM	50	0	20.87	21.03	21.02					
10	64QAM	1	0	21.21	21.32	21.28					
10	64QAM	1	25	21.11	21.30	21.22	22	2			
10	64QAM	1	49	21.24	21.35	21.28					
10	64QAM	25	0	19.97	19.99	19.95					
10	64QAM	25	12	19.84	20.01	19.99	21	3			
10	64QAM	25	25	19.90	20.01	20.00					
10	64QAM	50	0	19.84	19.99	20.01					
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	22.96	23.04	23.06	24	0			
5	QPSK	1	12	22.86	22.96	23.02					
5	QPSK	1	24	22.82	22.95	22.98					
5	QPSK	12	0	21.98	22.04	21.98	23	1			
5	QPSK	12	7	21.94	22.06	21.99					
5	QPSK	12	13	21.98	22.02	22.04					
5	16QAM	1	0	22.35	22.45	22.40	23	1			
5	16QAM	1	12	22.22	22.30	22.19					
5	16QAM	1	24	22.16	22.35	22.35					
5	16QAM	12	0	21.03	21.05	21.07	22	2			
5	16QAM	12	7	21.02	21.08	21.05					
5	16QAM	12	13	21.02	21.05	21.02					
5	16QAM	25	0	20.97	21.06	21.00	22	2			
5	64QAM	1	0	21.15	21.23	21.18					
5	64QAM	1	12	21.01	21.13	20.95					
5	64QAM	1	24	21.03	21.15	21.07	21	3			
5	64QAM	12	0	19.99	20.02	20.04					
5	64QAM	12	7	19.98	20.03	20.03					
5	64QAM	12	13	19.93	19.99	19.99	21	3			
5	64QAM	25	0	19.96	20.06	20.01					

Band 12 DSH Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23050	23095	23130					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	23.91	24.10	23.98			25.5	0	
10	QPSK	1	25	23.82	24.02	23.79					
10	QPSK	1	49	23.80	23.96	23.88					
10	QPSK	25	0	22.81	23.10	22.93			24.5	1	
10	QPSK	25	12	22.76	22.94	22.86					
10	QPSK	25	25	22.89	23.03	22.92					
10	QPSK	50	0	23.03	23.07	23.05			24.5	1	
10	16QAM	1	0	22.79	23.16	23.09					
10	16QAM	1	25	22.85	23.13	22.89					
10	16QAM	1	49	22.84	22.92	22.85			23.5	2	
10	16QAM	25	0	21.98	22.13	22.02					
10	16QAM	25	12	21.87	22.04	21.88					
10	16QAM	25	25	21.79	21.98	21.78			23.5	2	
10	16QAM	50	0	21.86	22.09	21.90					
10	64QAM	1	0	21.90	22.01	21.95					
10	64QAM	1	25	21.80	21.94	21.71			23.5	2	
10	64QAM	1	49	21.81	21.92	21.82					
10	64QAM	25	0	20.80	21.19	20.91					
10	64QAM	25	12	20.95	20.98	21.10			22.5	3	
10	64QAM	25	25	20.75	21.08	20.73					
10	64QAM	50	0	20.83	20.86	20.82					
Channel				23055	23095	23155					
Frequency (MHz)				703.5	707.5	713.5					
5	QPSK	1	0	23.92	23.99	23.96			25.5	0	
5	QPSK	1	23	23.83	23.94	23.84					
5	QPSK	1	24	23.79	23.80	23.76					
5	QPSK	12	0	22.80	22.97	22.83			24.5	1	
5	QPSK	12	7	22.72	22.94	22.68					
5	QPSK	12	13	22.58	23.03	22.76					
5	QPSK	25	0	22.94	22.86	23.00			24.5	1	
5	16QAM	1	0	22.70	23.12	23.09					
5	16QAM	1	12	22.76	22.96	22.74					
5	16QAM	1	24	22.77	22.91	22.79			23.5	2	
5	16QAM	12	0	21.96	22.04	21.83					
5	16QAM	12	7	21.84	21.98	21.84					
5	16QAM	12	13	21.77	21.84	21.62			23.5	2	
5	16QAM	25	0	21.73	21.91	21.68					
5	64QAM	1	0	21.73	21.92	21.85					
5	64QAM	1	12	21.60	21.89	21.55			22.5	3	
5	64QAM	1	24	21.80	21.74	21.83					
5	64QAM	12	0	20.74	21.00	20.87					
5	64QAM	12	7	20.75	20.94	21.09			22.5	3	
5	64QAM	12	13	20.73	21.03	20.67					
5	64QAM	25	0	20.75	20.96	20.74					
Channel				23025	23095	23165					
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	23.86	24.03	23.88			25.5	0	
3	QPSK	1	8	23.73	23.87	23.70					
3	QPSK	1	14	23.60	23.87	23.73					
3	QPSK	8	0	22.73	22.96	22.78			24.5	1	
3	QPSK	8	4	22.70	22.92	22.85					
3	QPSK	8	7	22.57	22.82	22.89					
3	QPSK	15	0	23.01	22.98	23.05			24.5	1	
3	16QAM	1	0	22.69	23.02	23.08					
3	16QAM	1	8	22.50	23.06	22.68					
3	16QAM	1	14	22.26	22.92	22.68			23.5	2	
3	16QAM	8	4	21.69	21.89	21.68					
3	16QAM	8	7	21.78	21.77	21.76					
3	16QAM	15	0	21.72	21.93	21.78			23.5	2	
3	64QAM	1	0	21.75	21.88	21.93					
3	64QAM	1	8	21.65	21.81	21.71					
3	64QAM	1	14	21.68	21.77	21.62			22.5	3	
3	64QAM	8	0	20.86	21.02	20.76					
3	64QAM	8	4	20.75	20.94	21.06					
3	64QAM	8	7	20.82	21.06	20.64			22.5	3	
3	64QAM	15	0	20.74	20.78	20.78					
Channel				23070	23095	23170					
Frequency (MHz)				699.7	707.5	715.3					
1.4	QPSK	1	0	23.92	23.89	23.81			25.5	0	
1.4	QPSK	1	3	23.72	23.81	23.68					
1.4	QPSK	1	5	23.64	23.82	23.68					
1.4	QPSK	3	0	23.71	23.88	23.79			24.5	1	
1.4	QPSK	3	1	23.63	23.67	23.64					
1.4	QPSK	3	3	23.39	23.80	23.84					
1.4	QPSK	6	0	22.94	22.84	22.84			24.5	1	
1.4	16QAM	1	0	22.76	23.12	22.90					
1.4	16QAM	1	3	22.84	22.96	22.69					
1.4	16QAM	1	5	22.79	22.89	22.76			23.5	2	
1.4	16QAM	3	0	22.60	22.99	22.85					
1.4	16QAM	3	1	22.76	22.82	22.83					
1.4	16QAM	3	3	22.60	22.75	22.88			23.5	2	
1.4	16QAM	6	0	21.78	22.02	21.86					
1.4	64QAM	1	0	21.73	21.83	21.93					
1.4	64QAM	1	3	21.76	21.87	21.64			23.5	2	
1.4	64QAM	1	5	21.76	21.93	21.67					
1.4	64QAM	3	0	21.67	21.76	21.71					
1.4	64QAM	3	1	21.61	21.69	21.55			22.5	3	
1.4	64QAM	3	3	21.78	21.75	21.56					
1.4	64QAM	6	0	20.71	20.81	20.60					

Band 17 DSH Ant1									
BW [MHz]	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	23.96	24.04	23.92	25.5	0	
10	QPSK	1	25	23.93	23.87	23.74			
10	QPSK	1	49	23.96	24.02	23.83			
10	QPSK	25	0	22.89	23.05	22.94	24.5	1	
10	QPSK	25	12	22.85	22.79	22.70			
10	QPSK	25	25	23.03	22.98	22.82			
10	QPSK	50	0	22.92	23.06	22.81	24.5	1	
10	16QAM	1	0	22.90	22.96	22.81			
10	16QAM	1	25	22.92	22.78	22.81			
10	16QAM	1	49	23.02	23.13	22.84	23.5	2	
10	16QAM	25	0	21.96	22.02	21.89			
10	16QAM	25	12	21.96	21.83	21.70			
10	16QAM	25	25	21.88	22.11	21.75	22.5	3	
10	16QAM	50	0	21.96	22.00	21.84			
10	64QAM	1	0	22.00	22.02	21.84			
10	64QAM	1	25	21.98	21.79	21.77	23.5	2	
10	64QAM	1	49	21.85	22.03	21.90			
10	64QAM	25	0	20.93	20.93	20.93			
10	64QAM	25	12	20.90	21.03	20.97	22.5	3	
10	64QAM	25	25	20.84	20.92	20.80			
10	64QAM	50	0	20.90	21.13	20.89			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.78	23.87	23.77	25.5	0	
5	QPSK	1	12	23.91	23.70	23.74			
5	QPSK	1	24	23.86	23.91	23.66			
5	QPSK	12	0	22.80	22.91	22.81	24.5	1	
5	QPSK	12	7	22.64	22.76	22.69			
5	QPSK	12	13	22.83	22.83	22.83			
5	QPSK	25	0	22.78	23.02	22.80	24.5	1	
5	16QAM	1	0	22.72	22.86	22.83			
5	16QAM	1	12	22.70	22.78	22.72			
5	16QAM	1	24	22.94	23.06	22.62	23.5	2	
5	16QAM	12	0	21.94	21.90	21.79			
5	16QAM	12	7	21.94	21.73	21.52			
5	16QAM	12	13	21.77	21.96	21.56	23.5	2	
5	16QAM	25	0	21.85	21.96	21.63			
5	64QAM	1	0	21.88	21.99	21.68			
5	64QAM	1	12	21.81	21.63	21.60	22.5	3	
5	64QAM	1	24	21.68	22.01	21.74			
5	64QAM	12	0	20.80	20.72	20.72			
5	64QAM	12	7	20.75	20.96	20.77	22.5	3	
5	64QAM	12	13	20.64	20.77	20.71			
5	64QAM	25	0	20.62	21.04	20.77			

Band 26 DSH Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965			
Frequency (MHz)				811.5	831.5	841.5			
15	QPSK	1	0	24.51	24.52	24.44	25.5	0	
15	QPSK	1	37	24.40	24.33	24.36			
15	QPSK	1	74	24.44	24.39	24.26			
15	QPSK	36	0	23.49	23.58	23.53	24.5	1	
15	QPSK	36	20	23.31	23.44	23.25			
15	QPSK	36	39	23.37	23.47	23.19			
15	QPSK	75	0	23.46	23.59	23.45	24.5	1	
15	16QAM	1	0	23.48	23.44	23.43			
15	16QAM	1	37	23.43	23.41	23.39			
15	16QAM	1	74	23.34	23.49	23.32	23.5	2	
15	16QAM	36	0	22.48	22.42	22.34			
15	16QAM	36	20	22.43	22.31	22.39			
15	16QAM	36	39	22.45	22.41	22.26	23.5	2	
15	16QAM	75	0	22.47	22.60	22.55			
15	64QAM	1	0	22.53	22.61	22.37	23.5	2	
15	64QAM	1	37	22.33	22.33	22.28			
15	64QAM	1	74	22.43	22.46	22.26			
15	64QAM	36	0	21.51	21.49	21.54	22.5	3	
15	64QAM	36	20	21.48	21.53	21.55			
15	64QAM	36	39	21.29	21.23	21.42			
15	64QAM	75	0	21.47	21.33	21.22	Tune-up limit (dbm)	MPR (db)	
Channel				26760	26865	26960			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.33	24.49	24.30	25.5	0	
10	QPSK	1	25	24.41	24.18	24.21			
10	QPSK	1	49	24.44	24.16	24.25			
10	QPSK	25	0	23.49	23.44	23.51	24.5	1	
10	QPSK	25	12	23.14	23.29	23.24			
10	QPSK	25	25	23.31	23.49	23.19			
10	QPSK	50	0	23.26	23.58	23.40	24.5	1	
10	16QAM	1	0	23.28	23.36	23.40			
10	16QAM	1	25	23.43	23.22	23.30			
10	16QAM	1	49	23.29	23.29	23.20	23.5	2	
10	16QAM	25	0	22.44	22.21	22.26			
10	16QAM	25	12	22.44	22.24	22.34			
10	16QAM	25	25	22.47	22.21	22.05	23.5	2	
10	16QAM	50	0	22.27	22.21	22.46			
10	64QAM	1	0	22.47	22.41	22.23			
10	64QAM	1	25	22.29	22.14	22.08	23.5	2	
10	64QAM	1	49	22.38	22.39	22.11			
10	64QAM	25	0	21.32	21.35	21.39			
10	64QAM	25	12	21.43	21.51	21.51	22.5	3	
10	64QAM	25	25	21.11	21.14	21.42			
10	64QAM	50	0	21.35	21.23	21.14			
Channel				26715	26865	27015	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.31	24.44	24.36	25.5	0	
5	QPSK	1	12	24.39	24.29	24.15			
5	QPSK	1	24	24.33	24.37	24.24			
5	QPSK	12	0	23.31	23.57	23.47	24.5	1	
5	QPSK	12	7	23.10	23.29	23.16			
5	QPSK	12	13	23.23	23.29	23.16			
5	QPSK	25	0	23.33	23.38	23.31	24.5	1	
5	16QAM	1	0	23.31	23.46	23.26			
5	16QAM	1	12	23.28	23.37	23.26			
5	16QAM	1	24	23.22	23.37	23.21	23.5	2	
5	16QAM	12	0	22.26	22.23	22.19			
5	16QAM	12	7	22.37	22.30	22.22			
5	16QAM	12	13	22.37	22.21	22.05	23.5	2	
5	16QAM	25	0	22.31	22.44	22.38			
5	64QAM	1	0	22.35	22.40	22.25			
5	64QAM	1	12	22.34	22.22	22.21	23.5	2	
5	64QAM	1	24	22.26	22.26	22.12			
5	64QAM	12	0	21.41	21.35	21.33			
5	64QAM	12	7	21.50	21.52	21.45	22.5	3	
5	64QAM	12	13	21.27	21.14	21.34			
5	64QAM	25	0	21.30	21.26	21.11			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.47	24.33	24.24	25.5	0	
3	QPSK	1	8	24.35	24.27	24.19			
3	QPSK	1	14	24.38	24.19	24.20			
3	QPSK	8	0	23.43	23.41	23.39	24.5	1	
3	QPSK	8	4	23.12	23.34	23.26			
3	QPSK	8	7	23.28	23.30	23.13			
3	QPSK	15	0	23.47	23.55	23.27	24.5	1	
3	16QAM	1	0	23.43	23.23	23.26			
3	16QAM	1	8	23.32	23.35	23.40			
3	16QAM	1	14	23.17	23.17	23.21	24.5	1	
3	16QAM	8	0	22.42	22.32	22.33			
3	16QAM	8	4	22.21	22.16	22.34			
3	16QAM	8	7	22.37	22.28	22.11	23.5	2	
3	16QAM	15	0	22.27	22.38	22.46			
3	64QAM	1	0	22.51	22.62	22.23			
3	64QAM	1	8	22.21	22.34	22.32	23.5	2	
3	64QAM	1	14	22.27	22.44	22.19			
3	64QAM	8	0	21.49	21.36	21.55			
3	64QAM	8	4	21.42	21.35	21.40	22.5	3	
3	64QAM	8	7	21.14	21.07	21.40			
3	64QAM	15	0	21.26	21.29	21.17			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.31	24.45	24.25	25.5	0	
1.4	QPSK	1	3	24.27	24.22	24.29			
1.4	QPSK	1	5	24.28	24.20	24.20			
1.4	QPSK	3	0	24.13	24.30	24.09	24.5	1	
1.4	QPSK	3	1	24.13	24.08	24.10			
1.4	QPSK	3	3	24.19	23.99	24.09			
1.4	QPSK	6	0	23.34	23.54	23.46	24.5	1	
1.4	16QAM	1	0	23.35	23.29	23.44			
1.4	16QAM	1	3	23.30	23.41	23.35			
1.4	16QAM	1	5	23.30	23.32	23.28	24.5	1	
1.4	16QAM	3	0	23.28	23.11	23.23			
1.4	16QAM	3	1	23.09	23.33	23.31			
1.4	16QAM	3	3	23.28	23.24	23.22	23.5	2	
1.4	16QAM	6	0	22.41	22.48	22.52			
1.4	64QAM	1	0	22.50	22.52	22.22			
1.4	64QAM	1	3	22.11	22.16	22.29	23.5	2	
1.4	64QAM	1	5	22.44	22.24	22.11			
1.4	64QAM	3	0	22.44	22.50	22.23			
1.4	64QAM	3	1	22.08	22.07	22.15	22.5	3	
1.4	64QAM	3	3	22.36	22.09	22.09			
1.4	64QAM	6	0	21.61	21.25	21.09			

Band 38 DS11 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.15	24.20	23.74	25.5	0		
20	QPSK	1	49	23.97	24.19	24.01				
20	QPSK	1	99	24.17	24.02	23.78				
20	QPSK	50	0	23.08	23.36	22.95	24.5	1		
20	QPSK	50	24	23.16	23.14	22.99				
20	QPSK	50	50	23.02	23.08	22.89				
20	QPSK	100	0	22.99	23.23	23.03	24.5	1		
20	16QAM	1	0	23.15	22.94	23.01				
20	16QAM	1	49	23.23	23.21	23.00				
20	16QAM	1	99	23.11	23.04	23.00	23.5	2		
20	16QAM	50	0	22.21	22.10	22.06				
20	16QAM	50	24	22.12	22.07	22.19				
20	16QAM	50	50	22.05	21.98	22.07	23.5	2		
20	16QAM	100	0	22.09	22.10	21.99				
20	64QAM	1	0	21.89	22.11	21.73				
20	64QAM	1	49	21.78	21.97	21.99	22.5	3		
20	64QAM	1	99	22.01	21.75	21.88				
20	64QAM	50	0	21.05	21.19	20.81				
20	64QAM	50	24	21.17	21.14	20.98	22.5	3		
20	64QAM	50	50	21.03	20.97	20.87				
20	64QAM	100	0	21.17	21.13	21.02				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.94	23.99	23.73				
15	QPSK	1	37	23.97	23.99	23.84	24.5	0		
15	QPSK	1	74	24.18	23.99	23.81				
15	QPSK	36	0	22.88	23.22	22.90				
15	QPSK	36	20	22.99	23.14	22.97	24.5	1		
15	QPSK	36	39	22.83	22.87	22.84				
15	QPSK	75	0	22.79	23.06	22.96				
15	16QAM	1	0	23.04	22.80	22.80	24.5	1		
15	16QAM	1	37	23.22	23.22	22.97				
15	16QAM	1	74	22.97	23.02	22.79				
15	16QAM	36	0	22.17	21.89	21.97	23.5	2		
15	16QAM	36	20	21.94	21.89	22.14				
15	16QAM	36	39	22.02	21.88	21.94				
15	16QAM	75	0	21.89	21.88	21.96	23.5	2		
15	64QAM	1	0	21.69	21.95	21.75				
15	64QAM	1	37	21.60	21.77	21.98				
15	64QAM	1	74	21.92	21.70	21.99	22.5	3		
15	64QAM	36	0	20.91	21.18	20.71				
15	64QAM	36	20	21.01	20.95	20.99				
15	64QAM	36	39	20.82	20.93	20.77	22.5	3		
15	64QAM	75	0	21.17	20.91	20.93				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.11	24.08	23.66				
10	QPSK	1	25	23.90	24.05	23.81	24.5	0		
10	QPSK	1	49	24.05	23.85	23.79				
10	QPSK	25	0	22.91	23.16	22.87				
10	QPSK	25	12	22.94	23.15	22.96	24.5	1		
10	QPSK	25	25	22.87	22.91	22.69				
10	QPSK	50	0	22.91	23.17	22.99				
10	16QAM	1	0	22.95	22.92	22.81	24.5	1		
10	16QAM	1	25	23.14	23.04	22.80				
10	16QAM	1	49	23.11	23.01	22.82				
10	16QAM	25	0	22.15	22.09	21.84	23.5	2		
10	16QAM	25	12	22.12	21.91	22.05				
10	16QAM	25	25	22.04	21.86	22.06				
10	16QAM	50	0	21.93	22.05	22.00	23.5	2		
10	64QAM	1	0	21.86	22.07	21.58				
10	64QAM	1	25	21.80	21.93	21.97				
10	64QAM	1	49	21.86	21.66	21.58	23.5	2		
10	64QAM	25	0	21.00	21.02	20.82				
10	64QAM	25	12	20.96	21.16	20.95				
10	64QAM	25	25	20.92	20.85	20.75	22.5	3		
10	64QAM	50	0	21.11	20.94	20.85				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.97	24.07	23.66				
5	QPSK	1	12	23.88	24.10	23.92	25.5	0		
5	QPSK	1	24	23.81	23.97	23.95				
5	QPSK	12	0	22.99	23.15	22.86				
5	QPSK	12	7	22.99	23.11	22.87	24.5	1		
5	QPSK	12	13	22.89	23.06	22.70				
5	QPSK	25	0	22.86	23.21	22.94				
5	16QAM	1	0	23.15	22.81	22.91	24.5	1		
5	16QAM	1	12	23.16	23.21	22.87				
5	16QAM	1	24	23.11	23.01	22.98				
5	16QAM	12	0	22.16	22.07	21.96	23.5	2		
5	16QAM	12	7	21.90	21.89	22.19				
5	16QAM	12	13	22.03	21.77	21.91				
5	16QAM	25	0	21.90	22.05	21.77	23.5	2		
5	64QAM	1	0	21.86	22.12	21.62				
5	64QAM	1	12	21.77	21.78	21.79				
5	64QAM	1	24	21.98	21.63	21.63	22.5	3		
5	64QAM	12	0	21.05	21.10	20.71				
5	64QAM	12	7	21.01	20.96	20.80				
5	64QAM	12	13	20.88	20.89	20.81	22.5	3		
5	64QAM	25	0	21.09	21.03	21.01				

Band 41 DSH Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.20	23.95	24.22	24.11	24.05	25.5	0
20	QPSK	1	49	24.03	23.86	24.19	24.08	23.93		
20	QPSK	1	99	24.02	23.85	24.13	24.15	23.90		
20	QPSK	50	0	23.19	23.09	23.40	23.11	23.34	24.5	1
20	QPSK	50	24	23.26	23.09	23.27	23.10	23.20		
20	QPSK	50	50	23.30	23.24	23.36	23.38	23.25		
20	QPSK	100	0	23.25	23.16	23.35	23.22	23.28	24.5	1
20	16QAM	1	0	23.20	23.06	23.14	23.17	23.21		
20	16QAM	1	49	23.31	23.03	23.24	23.13	23.03		
20	16QAM	1	99	23.19	23.05	23.26	23.06	23.11	23.5	2
20	16QAM	50	0	22.23	22.00	22.21	22.16	22.22		
20	16QAM	50	24	22.30	21.94	22.19	22.06	22.14		
20	16QAM	50	50	22.33	22.00	22.25	22.22	22.20	23.5	2
20	16QAM	100	0	22.25	22.15	22.38	22.02	22.17		
20	64QAM	1	0	21.86	21.90	21.99	21.82	21.83		
20	64QAM	1	49	22.03	21.89	21.86	21.86	21.92	23.5	2
20	64QAM	1	99	21.95	21.63	21.83	21.97	21.90		
20	64QAM	50	0	21.22	21.15	21.32	21.25	21.23		
20	64QAM	50	24	21.23	21.38	21.07	21.18	21.28	22.5	3
20	64QAM	50	50	21.37	21.09	21.12	21.29	21.26		
20	64QAM	100	0	21.51	21.06	21.41	21.19	21.32		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	24.12	24.20	24.00	23.96	23.78	25.50	0
15	QPSK	1	37	23.96	24.12	24.15	23.95	23.84		
15	QPSK	1	74	23.91	24.10	24.17	23.82	23.81		
15	QPSK	36	0	23.30	23.38	23.04	23.24	23.11	24.5	1
15	QPSK	36	20	23.17	23.23	23.18	23.13	23.08		
15	QPSK	36	39	23.24	23.28	23.35	23.28	23.27		
15	QPSK	75	0	23.30	23.24	23.29	23.18	23.02	24.5	1
15	16QAM	1	0	23.21	23.09	23.21	23.09	22.90		
15	16QAM	1	37	23.28	23.18	23.19	23.11	23.14		
15	16QAM	1	74	23.11	23.33	22.94	23.11	23.11	23.5	2
15	16QAM	36	0	22.25	22.25	22.09	22.16	22.16		
15	16QAM	36	20	22.22	22.15	21.98	22.10	21.93		
15	16QAM	36	39	22.37	22.18	22.10	22.19	22.16	23.5	2
15	16QAM	75	0	22.25	22.47	22.07	22.24	22.08		
15	16QAM	1	0	21.91	21.99	21.94	21.84	21.75		
15	64QAM	1	37	22.01	21.73	21.90	22.02	21.89	23.5	2
15	64QAM	1	74	21.99	21.84	21.88	21.77	21.79		
15	64QAM	36	0	21.27	21.40	21.26	21.24	21.20		
15	64QAM	36	20	21.25	21.09	21.19	21.37	21.21	22.5	3
15	64QAM	36	39	21.36	21.08	21.25	21.20	21.09		
15	64QAM	75	0	21.51	21.47	21.22	21.21	21.17		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	24.08	24.14	24.06	24.02	23.96	25.50	0
10	QPSK	1	25	24.00	24.08	23.96	23.96	23.83		
10	QPSK	1	49	24.09	24.10	24.16	23.93	23.82		
10	QPSK	25	0	23.12	23.35	23.18	23.23	23.28	24.5	1
10	QPSK	25	12	23.30	23.29	23.18	23.18	23.10		
10	QPSK	25	25	23.23	23.22	23.34	23.27	23.31		
10	QPSK	50	0	23.10	23.28	23.27	23.24	23.16	24.5	1
10	16QAM	1	0	23.15	23.06	23.16	23.24	22.92		
10	16QAM	1	25	23.28	23.32	23.05	23.05	23.13		
10	16QAM	1	49	23.26	23.27	23.13	23.04	22.94	23.5	2
10	16QAM	25	0	22.19	22.29	22.26	22.32	21.98		
10	16QAM	25	12	22.19	22.20	22.00	22.22	22.05		
10	16QAM	25	25	22.38	22.18	22.24	22.14	22.08	23.5	2
10	16QAM	50	0	22.33	22.49	21.99	22.22	22.09		
10	64QAM	1	0	21.74	21.98	21.82	21.77	21.88		
10	64QAM	1	25	21.99	21.88	21.98	21.97	22.02	23.5	2
10	64QAM	1	49	21.86	21.73	21.95	21.96	21.64		
10	64QAM	25	0	21.09	21.32	21.27	21.21	21.25		
10	64QAM	25	12	21.21	21.00	21.21	21.31	21.22	22.5	3
10	64QAM	25	25	21.33	21.18	21.39	21.21	21.14		
10	64QAM	50	0	21.48	21.50	21.10	21.28	21.12		
Channel				39675	40165	40620	41065	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2543.1	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.98	24.18	24.01	24.01	23.96	25.50	0
5	QPSK	1	12	24.10	24.08	24.01	23.80	23.96		
5	QPSK	1	24	24.07	24.14	24.16	23.89	23.79		
5	QPSK	12	0	23.08	23.36	23.17	23.35	23.11	24.5	1
5	QPSK	12	7	23.25	23.34	23.01	23.29	22.94		
5	QPSK	12	13	23.30	23.35	23.35	23.22	23.13		
5	QPSK	25	0	23.14	23.20	23.31	23.16	23.16	24.5	1
5	16QAM	1	0	23.31	23.22	23.20	23.30	22.98		
5	16QAM	1	12	23.39	23.16	23.17	23.01	23.09		
5	16QAM	1	24	23.15	23.26	23.15	22.98	23.01	23.5	2
5	16QAM	12	0	22.12	22.32	22.20	22.19	22.12		
5	16QAM	12	7	22.22	22.06	22.06	22.08	22.06		
5	16QAM	12	13	22.38	22.15	22.27	22.13	22.15	23.5	2
5	16QAM	25	0	22.13	22.37	22.02	22.24	22.18		
5	64QAM	1	0	21.91	21.89	21.71	21.71	21.90		
5	64QAM	1	12	22.04	21.80	21.89	22.01	21.93	23.5	2
5	64QAM	1	24	22.00	21.76	21.96	21.98	21.60		
5	64QAM	12	0	21.30	21.19	21.24	21.19	21.23		
5	64QAM	12	7	21.26	20.97	21.17	21.16	21.33	22.5	3
5	64QAM	12	13	21.33	21.03	21.37	21.36	21.14		
5	64QAM	25	0	21.52	21.40	21.12	21.33	21.08		

GSM850 DS1 Ant2

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	848.8
Frequency (MHz)	33.07	33.20	33.23	33.50	24.07	24.20	24.23	24.50
GSM 1 Tx slot	33.23	33.30	33.29	33.50	24.23	24.30	24.29	24.50
GPRS 1 Tx slots	27.92	28.13	28.05	28.50	21.92	22.13	22.05	22.50
GPRS 2 Tx slots	26.13	25.97	26.10	27.00	21.87	21.71	21.84	22.74
GPRS 4 Tx slots	23.83	23.79	23.69	25.00	20.83	20.79	20.69	22.00
EDGE 1 Tx slot	27.19	27.03	27.15	27.50	18.19	18.03	18.15	18.50
EDGE 2 Tx slots	24.38	24.51	24.46	25.00	18.38	18.51	18.46	19.00
EDGE 3 Tx slots	22.65	22.61	22.68	23.50	18.39	18.35	18.42	19.24
EDGE 4 Tx slots	21.27	21.52	21.42	22.50	18.27	18.52	18.42	19.50

GSM1900 DS1 Ant2

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1909.8
Frequency (MHz)	25.68	25.89	25.77	26.00	16.68	16.89	16.77	17.00
GSM 1 Tx slot	25.68	25.61	25.83	26.00	16.56	16.61	16.83	17.00
GPRS 1 Tx slot	23.29	23.65	23.44	24.00	17.29	17.65	17.44	18.00
GPRS 2 Tx slots	21.07	21.19	21.40	22.00	16.81	16.93	17.14	17.74
GPRS 4 Tx slots	19.48	19.66	19.94	20.50	16.48	16.66	16.94	17.50
EDGE 1 Tx slot	25.26	25.23	25.15	26.00	16.26	16.23	16.15	17.00
EDGE 2 Tx slots	23.06	23.41	23.44	24.00	17.06	17.41	17.44	18.00
EDGE 3 Tx slots	21.16	21.16	20.97	22.00	16.90	16.90	16.71	17.74
EDGE 4 Tx slots	19.47	19.49	19.77	20.50	16.47	16.49	16.77	17.50

WCDMA II DS1 Ant2

WCDMA IV DS1 Ant2

WCDMA V DS1 Ant2

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	15.11	15.37	15.17	16.50	15.13	15.19	15.13	16.50	23.80	23.51	23.71	24.50
3GPP Rel 99	RMC 12.2kbps	15.23	15.51	15.34	16.50	15.06	15.35	15.12	16.50	23.68	23.93	23.67	24.50
3GPP Rel 6	HSDPA Subtest-1	15.19	15.40	15.16	16.50	15.07	15.17	15.00	16.50	23.63	23.85	23.91	24.00
3GPP Rel 6	HSDPA Subtest-2	15.18	15.40	15.24	16.50	15.13	15.26	15.04	16.50	23.60	23.83	23.90	24.00
3GPP Rel 6	HSDPA Subtest-3	15.10	15.44	15.12	16.50	15.00	15.16	15.04	16.50	23.28	23.40	23.40	24.00
3GPP Rel 6	HSDPA Subtest-4	15.18	15.33	15.32	16.50	15.05	15.22	15.04	16.50	23.26	23.30	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	15.14	15.35	15.15	16.50	15.04	15.28	15.14	16.50	23.67	23.90	23.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.02	15.48	15.21	16.50	15.09	15.28	15.08	16.50	23.83	23.87	23.85	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.24	15.45	15.23	16.50	15.11	15.32	15.02	16.50	23.32	23.47	23.11	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.14	15.31	15.28	16.50	15.03	15.19	15.01	16.50	23.00	23.33	23.41	24.00
3GPP Rel 6	HSUPA Subtest-1	15.17	15.50	15.23	16.50	15.13	15.00	15.07	16.50	21.64	21.92	21.97	23.00
3GPP Rel 6	HSUPA Subtest-2	15.06	15.47	15.14	16.50	15.02	15.14	15.08	16.50	21.88	21.66	21.72	23.00
3GPP Rel 6	HSUPA Subtest-3	15.22	15.40	15.12	16.50	15.09	15.23	15.01	16.50	22.02	22.05	21.93	23.00
3GPP Rel 6	HSUPA Subtest-4	15.23	15.39	15.35	16.50	15.02	15.32	15.04	16.50	21.82	21.88	21.80	23.00
3GPP Rel 6	HSUPA Subtest-5	15.08	15.47	15.12	16.50	15.08	15.24	15.09	16.50	21.87	21.82	21.83	23.00

Band 2 DSH1 Ant2										
BW (MHz)	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	15.43	15.63	15.46				
20	QPSK	1	49	15.25	15.35	15.41	16.5	0		
20	QPSK	1	99	15.26	15.16	15.18				
20	QPSK	50	0	15.39	15.49	15.32				
20	QPSK	50	24	15.25	15.32	15.23	16.5	0		
20	QPSK	50	50	15.14	15.14	15.01				
20	QPSK	100	0	15.28	15.43	15.24				
20	16QAM	1	0	15.07	15.33	15.24				
20	16QAM	1	49	15.30	15.57	15.35	16.5	0		
20	16QAM	1	99	15.16	15.17	15.26				
20	16QAM	50	0	15.09	15.06	15.08				
20	16QAM	50	24	15.21	15.54	15.47	16.5	0		
20	16QAM	50	50	15.20	15.30	15.21				
20	16QAM	100	0	15.25	15.52	15.31				
20	64QAM	1	0	15.16	15.27	15.24				
20	64QAM	1	49	15.21	15.04	15.05	16.5	0		
20	64QAM	1	99	15.09	15.14	15.02				
20	64QAM	50	0	15.20	15.40	15.30				
20	64QAM	50	24	15.42	15.56	15.44	16.5	0		
20	64QAM	50	50	15.09	15.19	15.37				
20	64QAM	100	0	15.20	15.26	15.05				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.31	15.26	15.24				
15	QPSK	1	37	15.17	15.21	15.10	16.5	0		
15	QPSK	1	74	15.25	15.05	15.46				
15	QPSK	36	0	15.39	15.45	15.12				
15	QPSK	36	20	15.04	15.12	15.21	16.5	0		
15	QPSK	36	39	15.06	15.01	15.36				
15	QPSK	75	0	15.23	15.36	15.38				
15	16QAM	1	0	15.04	15.34	15.42				
15	16QAM	1	37	15.28	15.45	15.18	16.5	0		
15	16QAM	1	74	15.40	15.38	15.16				
15	16QAM	36	0	15.38	15.03	15.34				
15	16QAM	36	20	15.19	15.46	15.29	16.5	0		
15	16QAM	36	39	15.07	15.11	15.06				
15	16QAM	75	0	15.09	15.53	15.10				
15	64QAM	1	0	15.11	15.05	15.11				
15	64QAM	1	37	15.12	15.00	15.26	16.5	0		
15	64QAM	1	74	15.28	15.06	15.00				
15	64QAM	36	0	15.23	15.42	15.36				
15	64QAM	36	20	15.37	15.50	15.33	16.5	0		
15	64QAM	36	39	15.40	15.16	15.35				
15	64QAM	75	0	15.09	15.09	15.47				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.45	15.61	15.35				
10	QPSK	1	25	15.21	15.25	15.26	16.5	0		
10	QPSK	1	49	15.22	15.40	15.17				
10	QPSK	25	0	15.32	15.34	15.20				
10	QPSK	25	12	15.03	15.16	15.06	16.5	0		
10	QPSK	25	25	15.10	15.47	15.03				
10	QPSK	50	0	15.33	15.34	15.24				
10	16QAM	1	0	15.35	15.27	15.07	16.5	0		
10	16QAM	1	25	15.21	15.53	15.21				
10	16QAM	1	49	15.04	15.12	15.19				
10	16QAM	25	0	15.30	15.26	15.38				
10	16QAM	25	12	15.17	15.38	15.46	16.5	0		
10	16QAM	25	25	15.15	15.28	15.11				
10	16QAM	50	0	15.10	15.37	15.10				
10	64QAM	1	0	15.08	15.18	15.03				
10	64QAM	1	25	15.14	15.03	15.32	16.5	0		
10	64QAM	1	49	15.00	15.04	15.34				
10	64QAM	25	0	15.20	15.32	15.43				
10	64QAM	25	12	15.21	15.56	15.38	16.5	0		
10	64QAM	25	25	15.37	15.13	15.28				
10	64QAM	50	0	15.14	15.18	15.32				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.42	15.48	15.38				
5	QPSK	1	12	15.21	15.25	15.25	16.5	0		
5	QPSK	1	24	15.18	15.02	15.31				
5	QPSK	12	0	15.19	15.28	15.28				
5	QPSK	12	7	15.19	15.32	15.21	16.5	0		
5	QPSK	12	13	15.11	15.01	15.02				
5	QPSK	25	0	15.22	15.22	15.31				
5	16QAM	1	0	15.45	15.14	15.11	16.5	0		
5	16QAM	1	12	15.15	15.53	15.22				
5	16QAM	1	24	15.08	15.06	15.06				
5	16QAM	12	0	15.27	15.04	15.30	16.5	0		
5	16QAM	12	7	15.07	15.47	15.25				
5	16QAM	12	13	15.18	15.30	15.03				
5	16QAM	25	0	15.23	15.53	15.20				
5	64QAM	1	0	15.09	15.21	15.22	16.5	0		
5	64QAM	1	12	15.47	15.32	15.37				
5	64QAM	1	24	15.00	15.37	15.30				
5	64QAM	12	0	15.19	15.42	15.42				
5	64QAM	12	7	15.20	15.37	15.26	16.5	0		
5	64QAM	12	13	15.03	15.01	15.02				
5	64QAM	25	0	15.02	15.17	15.02				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.42	15.49	15.30				
3	QPSK	1	8	15.06	15.37	15.19	16.5	0		
3	QPSK	1	14	15.07	15.04	15.13				
3	QPSK	8	0	15.29	15.28	15.13				
3	QPSK	8	4	15.10	15.25	15.10	16.5	0		
3	QPSK	8	7	15.33	15.02	15.42				
3	QPSK	15	0	15.28	15.22	15.23				
3	16QAM	1	0	15.42	15.27	15.06				
3	16QAM	1	8	15.15	15.43	15.20	16.5	0		
3	16QAM	1	14	15.03	15.19	15.14				
3	16QAM	8	0	15.39	15.00	15.31				
3	16QAM	8	4	15.30	15.54	15.34	16.5	0		
3	16QAM	8	7	15.06	15.31	15.17				
3	16QAM	15	0	15.25	15.39	15.15				
3	64QAM	1	0	15.02	15.09	15.24				
3	64QAM	1	8	15.07	15.45	15.28	16.5	0		
3	64QAM	1	14	15.29	15.46	15.38				
3	64QAM	8	0	15.30	15.49	15.27				
3	64QAM	8	4	15.37	15.42	15.35	16.5	0		
3	64QAM	8	7	15.07	15.06	15.24				
3	64QAM	15	0	15.04	15.18	15.36				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.41	15.41	15.40				
1.4	QPSK	1	3	15.14	15.19	15.24	16.5	0		
1.4	QPSK	1	5	15.27	15.04	15.42				
1.4	QPSK	3	0	15.32	15.33	15.13				
1.4	QPSK	3	1	15.25	15.33	15.24				
1.4	QPSK	3	3	15.13	15.27	15.08	16.5	1		
1.4	QPSK	6	0	15.23	15.33	15.21				
1.4	16QAM	1	0	15.46	15.18	15.13				
1.4	16QAM	1	3	15.09	15.42	15.31	16.5	1		
1.4	16QAM	1	5	15.14	15.10	15.05				
1.4	16QAM	3	0	15.02	15.37	15.05				
1.4	16QAM	3	1	15.13	15.50	15.26				
1.4	16QAM	3	3	15.12	15.08	15.16	16.5	2		
1.4	16QAM	6	0	15.22	15.30	15.30				
1.4	64QAM	1	0	15.11	15.06	15.25				
1.4	64QAM	1	3	15.13	15.35	15.43	16.5	1		
1.4	64QAM	1	5	15.05	15.40	15.04				
1.4	64QAM	3	0	15.15	15.46	15.30				
1.4	64QAM	3	1	15.29	15.53	15.29	16.5	2		
1.4	64QAM	3	3	15.48	15.35	15.27				
1.4	64QAM	6	0	15.09	15.10	15.25	16.5	3		

Band 4 DSH Ant2										
BW [MHz]	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	15.47	15.72	15.69				
20	QPSK	1	49	15.45	15.64	15.69	16.5	0		
20	QPSK	1	99	15.69	15.58	15.45				
20	QPSK	50	0	15.32	15.70	15.53				
20	QPSK	50	24	15.35	15.51	15.54	16.5	0		
20	QPSK	50	50	15.52	15.54	15.48				
20	QPSK	100	0	15.37	15.66	15.85				
20	16QAM	1	0	15.41	15.61	15.70				
20	16QAM	1	49	15.53	15.55	15.44	16.5	0		
20	16QAM	1	99	15.42	15.62	15.53				
20	16QAM	50	0	15.39	15.81	15.67				
20	16QAM	50	24	15.52	15.57	15.53	16.5	0		
20	16QAM	50	50	15.39	15.63	15.64				
20	16QAM	100	0	15.45	15.60	15.48				
20	64QAM	1	0	15.52	15.40	15.29				
20	64QAM	1	49	15.26	15.64	15.51	16.5	0		
20	64QAM	1	99	15.30	15.53	15.69				
20	64QAM	50	0	15.54	15.39	15.42				
20	64QAM	50	24	15.29	15.59	15.60	16.5	0		
20	64QAM	50	50	15.41	15.63	15.58				
20	64QAM	100	0	15.70	15.40	15.28				
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.07	17.23	17.35	Tune-up limit (dbm)	MPR (db)		
15	QPSK	1	0	15.47	15.67	15.71				
15	QPSK	1	37	15.41	15.59	15.67	16.5	0		
15	QPSK	1	74	15.64	15.53	15.32				
15	QPSK	36	0	15.33	15.53	15.45				
15	QPSK	36	20	15.30	15.41	15.53	16.5	0		
15	QPSK	36	39	15.47	15.35	15.16				
15	QPSK	75	0	15.29	15.66	15.53				
15	16QAM	1	0	15.37	15.54	15.61				
15	16QAM	1	37	15.45	15.35	15.30	16.5	0		
15	16QAM	1	74	15.29	15.42	15.32				
15	16QAM	36	0	15.36	15.49	15.53				
15	16QAM	36	20	15.36	15.33	15.23	16.5	0		
15	16QAM	36	39	15.52	15.49	15.45				
15	16QAM	75	0	15.44	15.59	15.42				
15	64QAM	1	0	15.31	15.66	15.66				
15	64QAM	1	37	15.36	15.54	15.52	16.5	0		
15	64QAM	1	74	15.68	15.59	15.41				
15	64QAM	36	0	15.35	15.17	15.21				
15	64QAM	36	20	15.54	15.64	15.55	16.5	0		
15	64QAM	36	39	15.43	15.56	15.59				
15	64QAM	75	0	15.51	15.45	15.43				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.15	17.32	17.50	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	0	15.44	15.63	15.52				
10	QPSK	1	25	15.28	15.65	15.69	16.5	0		
10	QPSK	1	50	15.28	15.59	15.66				
10	QPSK	25	0	15.34	15.51	15.32				
10	QPSK	25	12	15.31	15.46	15.52	16.5	0		
10	QPSK	25	25	15.60	15.30	15.35				
10	QPSK	50	0	15.18	15.52	15.60				
10	16QAM	1	0	15.25	15.41	15.67				
10	16QAM	1	25	15.46	15.56	15.28	16.5	0		
10	16QAM	1	49	15.21	15.42	15.33				
10	16QAM	25	0	15.29	15.56	15.53				
10	16QAM	25	12	15.52	15.45	15.18	16.5	0		
10	16QAM	25	25	15.25	15.42	15.51				
10	16QAM	50	0	15.27	15.43	15.30				
10	64QAM	1	0	15.35	15.26	15.08				
10	64QAM	1	25	15.07	15.55	15.48	16.5	0		
10	64QAM	1	49	15.26	15.40	15.53				
10	64QAM	25	0	15.38	15.30	15.23				
10	64QAM	25	12	15.19	15.50	15.62	16.5	0		
10	64QAM	25	25	15.37	15.45	15.36				
10	64QAM	50	0	15.54	15.54	15.22				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.33	15.55	15.52	Tune-up limit (dbm)	MPR (db)		
5	QPSK	1	12	15.46	15.52	15.51	16.5	0		
5	QPSK	1	24	15.58	15.44	15.27				
5	QPSK	12	0	15.26	15.67	15.35				
5	QPSK	12	7	15.34	15.37	15.55	16.5	0		
5	QPSK	12	13	15.65	15.42	15.30				
5	QPSK	25	0	15.31	15.46	15.49				
5	16QAM	1	0	15.22	15.46	15.68				
5	16QAM	1	12	15.46	15.40	15.37	16.5	0		
5	16QAM	1	24	15.36	15.60	15.38				
5	16QAM	12	0	15.20	15.42	15.56				
5	16QAM	12	7	15.36	15.40	15.20	16.5	0		
5	16QAM	12	13	15.29	15.63	15.57				
5	16QAM	25	0	15.47	15.49	15.41				
5	64QAM	1	0	15.45	15.66	15.56				
5	64QAM	1	12	15.42	15.46	15.54	16.5	0		
5	64QAM	1	24	15.54	15.36	15.40				
5	64QAM	12	0	15.32	15.24	15.31				
5	64QAM	12	7	15.10	15.58	15.44	16.5	0		
5	64QAM	12	13	15.36	15.52	15.48				
5	64QAM	25	0	15.50	15.30	15.25				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.11	17.23	17.53	Tune-up limit (dbm)	MPR (db)		
3	QPSK	1	0	15.44	15.68	15.48	16.5	0		
3	QPSK	1	8	15.46	15.54	15.54				
3	QPSK	1	14	15.57	15.50	15.23				
3	QPSK	8	0	15.33	15.56	15.48				
3	QPSK	8	4	15.36	15.53	15.52	16.5	0		
3	QPSK	8	7	15.51	15.38	15.22				
3	QPSK	15	0	15.32	15.61	15.47				
3	16QAM	1	0	15.21	15.45	15.71				
3	16QAM	1	8	15.52	15.54	15.34				
3	16QAM	1	14	15.28	15.55	15.37	16.5	0		
3	16QAM	8	0	15.23	15.62	15.31				
3	16QAM	8	4	15.32	15.33	15.13	16.5	0		
3	16QAM	8	7	15.26	15.48	15.59				
3	16QAM	15	0	15.29	15.39	15.49				
3	64QAM	1	0	15.30	15.22	15.08				
3	64QAM	1	8	15.08	15.56	15.36	16.5	0		
3	64QAM	1	14	15.20	15.34	15.30				
3	64QAM	8	0	15.38	15.26	15.30				
3	64QAM	8	4	15.16	15.39	15.38	16.5	0		
3	64QAM	8	7	15.21	15.52	15.49				
3	64QAM	15	0	15.62	15.25	15.30				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.44	15.56	15.66	Tune-up limit (dbm)	MPR (db)		
1.4	QPSK	1	3	15.45	15.49	15.69	16.5	0		
1.4	QPSK	1	5	15.56	15.49	15.38				
1.4	QPSK	3	0	15.43	15.54	15.50				
1.4	QPSK	3	1	15.24	15.48	15.49				
1.4	QPSK	3	3	15.64	15.48	15.43	15.5	1		
1.4	16QAM	1	0	15.51	15.51	15.51				
1.4	16QAM	1	3	15.38	15.52	15.63				
1.4	16QAM	1	5	15.26	15.43	15.38	15.5	1		
1.4	16QAM	3	0	15.27	15.53	15.53				
1.4	16QAM	3	1	15.29	15.45	15.48				
1.4	16QAM	3	3	15.54	15.36	15.35	14.5	2		
1.4	16QAM	6	0	15.43	15.50	15.40				
1.4	64QAM	1	0	15.32	15.55	15.51				
1.4	64QAM	1	3	15.41	15.58	15.69				
1.4	64QAM	3	1	15.54	15.38	15.42	14.5	2		
1.4	64QAM	3	3	15.66	15.51	15.33				
1.4	64QAM	3	5	15.22	15.59	15.53				
1.4	64QAM	3	3	15.37	15.47	15.58				
1.4	64QAM	6	0	15.51	15.24	15.24	13.5	3		

Band 7 DSH Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	0	17.61	17.64	17.60	18	0	
20	QPSK	1	49	17.54	17.59	17.58			
20	QPSK	1	99	17.54	17.55	17.53			
20	QPSK	50	0	17.44	17.47	17.44	18	0	
20	QPSK	50	24	17.43	17.45	17.41			
20	QPSK	50	50	17.37	17.41	17.38			
20	QPSK	100	0	17.34	17.38	17.35	18	0	
20	16QAM	1	0	17.50	17.54	17.49			
20	16QAM	1	49	17.44	17.48	17.45			
20	16QAM	1	99	17.39	17.43	17.38	18	0	
20	16QAM	50	0	17.38	17.43	17.38			
20	16QAM	50	24	17.39	17.41	17.38			
20	16QAM	50	50	17.35	17.39	17.36	18	0	
20	16QAM	100	0	17.34	17.36	17.34			
20	64QAM	1	0	17.59	17.61	17.57			
20	64QAM	1	49	17.52	17.57	17.53	18	0	
20	64QAM	1	99	17.49	17.52	17.48			
20	64QAM	50	0	17.36	17.39	17.35			
20	64QAM	50	24	17.32	17.35	17.33	18	0	
20	64QAM	50	50	17.25	17.27	17.25			
20	64QAM	100	0	17.14	17.17	17.16			
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	17.59	17.60	17.56	18	0	
15	QPSK	1	37	17.51	17.57	17.53			
15	QPSK	1	74	17.51	17.54	17.51			
15	QPSK	36	0	17.40	17.43	17.39	18	0	
15	QPSK	36	20	17.41	17.43	17.37			
15	QPSK	36	39	17.36	17.40	17.32			
15	QPSK	75	0	17.32	17.35	17.33	18	0	
15	16QAM	1	0	17.46	17.50	17.45			
15	16QAM	1	37	17.43	17.47	17.41			
15	16QAM	1	74	17.35	17.42	17.34	18	0	
15	16QAM	36	0	17.36	17.42	17.35			
15	16QAM	36	20	17.36	17.38	17.34			
15	16QAM	36	39	17.31	17.37	17.32	18	0	
15	16QAM	75	0	17.32	17.33	17.29			
15	64QAM	1	0	17.54	17.58	17.55			
15	64QAM	1	37	17.48	17.52	17.45	18	0	
15	64QAM	1	74	17.47	17.49	17.47			
15	64QAM	36	0	17.34	17.35	17.33			
15	64QAM	36	20	17.30	17.33	17.29	18	0	
15	64QAM	36	39	17.21	17.24	17.21			
15	64QAM	75	0	17.09	17.13	17.12			
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	0	17.56	17.56	17.54	18	0	
10	QPSK	1	25	17.48	17.52	17.51			
10	QPSK	1	49	17.47	17.52	17.47			
10	QPSK	25	0	17.38	17.39	17.36	18	0	
10	QPSK	25	12	17.38	17.42	17.32			
10	QPSK	25	25	17.35	17.35	17.27			
10	QPSK	50	0	17.29	17.31	17.28	18	0	
10	16QAM	1	0	17.42	17.46	17.42			
10	16QAM	1	25	17.39	17.43	17.36			
10	16QAM	1	49	17.31	17.40	17.32	18	0	
10	16QAM	25	0	17.33	17.40	17.32			
10	16QAM	25	12	17.34	17.34	17.32			
10	16QAM	25	25	17.29	17.35	17.29	18	0	
10	16QAM	50	0	17.27	17.31	17.25			
10	64QAM	1	0	17.53	17.53	17.53			
10	64QAM	1	25	17.47	17.50	17.47	18	0	
10	64QAM	1	49	17.45	17.45	17.44			
10	64QAM	25	0	17.30	17.30	17.31			
10	64QAM	25	12	17.27	17.29	17.24	18	0	
10	64QAM	25	25	17.16	17.19	17.19			
10	64QAM	50	0	17.08	17.11	17.08			
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	0	17.54	17.55	17.52	18	0	
5	QPSK	1	12	17.43	17.50	17.49			
5	QPSK	1	24	17.44	17.51	17.43			
5	QPSK	12	0	17.35	17.35	17.32	18	0	
5	QPSK	12	7	17.34	17.39	17.30			
5	QPSK	12	13	17.33	17.31	17.23			
5	QPSK	25	0	17.24	17.28	17.25	18	0	
5	16QAM	1	0	17.38	17.45	17.41			
5	16QAM	1	12	17.36	17.39	17.34			
5	16QAM	1	24	17.28	17.38	17.29	18	0	
5	16QAM	12	0	17.31	17.36	17.29			
5	16QAM	12	7	17.32	17.30	17.28			
5	16QAM	12	13	17.25	17.33	17.24	18	0	
5	16QAM	25	0	17.24	17.28	17.20			
5	64QAM	1	0	17.52	17.50	17.49			
5	64QAM	1	12	17.45	17.49	17.43	18	0	
5	64QAM	1	24	17.43	17.42	17.42			
5	64QAM	12	0	17.25	17.25	17.30			
5	64QAM	12	7	17.26	17.28	17.19	18	0	
5	64QAM	12	13	17.13	17.15	17.16			
5	64QAM	25	0	17.05	17.06	17.06			

Band 12 DSH Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23600	23695	23730			
Frequency (MHz)				705	707.5	711			
10	QPSK	1	0	23.24	23.40	23.18	24.5	0	
10	QPSK	1	25	23.05	23.28	23.19			
10	QPSK	1	49	22.94	23.21	23.11			
10	QPSK	25	0	23.18	23.32	23.16	24.5	0	
10	QPSK	25	12	22.98	23.25	23.11			
10	QPSK	25	25	22.89	23.16	22.92			
10	QPSK	50	0	23.18	23.35	23.19	24.5	0	
10	16QAM	1	0	23.08	23.19	23.02			
10	16QAM	1	25	22.89	23.11	23.19			
10	16QAM	1	49	22.84	23.23	23.01	23.5	1	
10	16QAM	25	0	22.18	22.41	22.22			
10	16QAM	25	12	22.11	22.34	22.20			
10	16QAM	25	25	21.95	22.23	22.09	23.5	1	
10	16QAM	50	0	22.17	22.21	22.00			
10	64QAM	1	0	22.06	22.30	22.05			
10	64QAM	1	25	21.97	22.33	22.05	23.5	1	
10	64QAM	1	49	21.93	22.12	22.03			
10	64QAM	25	0	21.26	21.47	21.16			
10	64QAM	25	12	21.27	21.29	21.29	22.5	2	
10	64QAM	25	25	21.01	21.17	21.08			
10	64QAM	50	0	20.89	21.19	21.11			
Channel				23035	23095	23155	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.10	23.21	23.00	24.5	0	
5	QPSK	1	12	22.96	23.26	23.15			
5	QPSK	1	24	22.86	23.11	23.08			
5	QPSK	12	0	23.17	23.19	23.09	24.5	0	
5	QPSK	12	7	23.00	23.23	23.01			
5	QPSK	12	13	22.77	23.05	22.83			
5	QPSK	25	0	23.08	23.32	23.07	24.5	0	
5	16QAM	1	0	22.96	23.20	22.98			
5	16QAM	1	12	22.73	23.03	23.11			
5	16QAM	1	24	22.74	23.13	22.97	23.5	1	
5	16QAM	12	0	21.98	22.24	22.16			
5	16QAM	12	7	21.96	22.15	22.16			
5	16QAM	12	13	21.80	22.06	22.05	22.5	2	
5	16QAM	25	0	22.22	22.22	22.01			
5	64QAM	1	0	22.05	22.24	22.01			
5	64QAM	1	12	21.82	22.23	21.85	23.5	1	
5	64QAM	1	24	21.91	21.92	21.91			
5	64QAM	12	0	21.07	21.29	21.14			
5	64QAM	12	7	21.05	21.08	21.30	22.5	2	
5	64QAM	12	13	20.84	20.96	20.87			
5	64QAM	25	0	20.59	20.58	21.01			
Channel				23025	23095	23165	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.18	23.28	23.15	24.5	0	
3	QPSK	1	8	22.99	23.06	23.04			
3	QPSK	1	14	22.80	23.21	23.04			
3	QPSK	8	0	22.90	23.15	23.00	24.5	0	
3	QPSK	8	4	22.80	23.20	23.00			
3	QPSK	8	7	22.74	23.11	22.74			
3	QPSK	15	0	23.17	23.16	23.16	24.5	0	
3	16QAM	1	0	22.87	23.11	22.99			
3	16QAM	1	8	22.80	23.04	23.20			
3	16QAM	1	14	22.86	23.17	22.96	23.5	1	
3	16QAM	8	0	22.92	22.22	22.18			
3	16QAM	8	4	21.98	22.14	22.06			
3	16QAM	8	7	21.83	22.16	21.88	22.5	2	
3	16QAM	15	0	22.13	22.16	21.97			
3	64QAM	1	0	21.97	22.24	21.90			
3	64QAM	1	5	21.96	22.28	21.99	23.5	1	
3	64QAM	1	14	21.95	22.12	21.95			
3	64QAM	8	0	21.06	21.37	21.05			
3	64QAM	8	4	21.09	21.09	21.10	22.5	2	
3	64QAM	8	7	21.00	21.04	21.04			
3	64QAM	15	0	20.74	21.02	21.01			
Channel				23017	23095	23173	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				699	707.5	715.3			
1.4	QPSK	1	0	23.24	23.26	23.03	24.5	0	
1.4	QPSK	1	5	22.92	23.05	22.93			
1.4	QPSK	3	0	23.10	23.26	23.01			
1.4	QPSK	3	1	22.97	23.09	23.03	24.5	0	
1.4	QPSK	3	3	22.85	22.97	22.84			
1.4	QPSK	6	0	23.15	23.31	23.18			
1.4	16QAM	1	0	22.95	23.19	22.99	24.5	0	
1.4	16QAM	1	3	22.97	23.10	22.98			
1.4	16QAM	1	5	22.80	23.10	22.96			
1.4	16QAM	3	0	22.91	23.09	22.84	23.5	1	
1.4	16QAM	3	1	22.70	23.06	22.79			
1.4	16QAM	3	3	22.32	23.12	22.79			
1.4	16QAM	6	0	22.19	22.17	21.88	23.5	1	
1.4	64QAM	1	0	21.82	22.26	21.99			
1.4	64QAM	1	3	21.84	22.21	22.06			
1.4	64QAM	1	5	21.86	22.12	21.86	22.5	2	
1.4	64QAM	3	0	21.90	22.11	21.97			
1.4	64QAM	3	1	21.32	22.20	21.92			
1.4	64QAM	3	3	21.77	22.11	21.83	22.5	2	
1.4	64QAM	6	0	20.69	21.07	21.07			

Band 17 DSH Ant2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel				23780	23790	23800						
Frequency (MHz)				706	710	711						
10	QPSK	1	0	23.04	23.25	23.10	24.5	0				
10	QPSK	1	25	23.11	23.10	22.89						
10	QPSK	1	49	23.08	23.24	22.96						
10	QPSK	25	0	22.92	23.24	22.91						
10	QPSK	25	12	22.94	22.80	22.90	24.5	0				
10	QPSK	25	25	22.98	23.10	22.87						
10	QPSK	50	0	22.88	23.19	23.05						
10	16QAM	1	0	23.03	23.26	23.07						
10	16QAM	1	25	22.98	22.94	22.80	24.5	0				
10	16QAM	1	49	22.89	23.04	22.84						
10	16QAM	25	0	22.13	22.15	22.12						
10	16QAM	25	12	22.05	22.14	21.85						
10	16QAM	25	25	22.06	22.35	22.00	23.5	1				
10	16QAM	50	0	21.99	22.34	22.01						
10	64QAM	1	0	22.06	22.20	22.13						
10	64QAM	1	25	22.06	22.18	21.86						
10	64QAM	1	49	22.01	22.13	21.95	23.5	1				
10	64QAM	25	0	21.03	21.15	21.17						
10	64QAM	25	12	21.04	21.32	21.21						
10	64QAM	25	25	21.19	21.06	21.01						
10	64QAM	50	0	21.10	21.30	21.08	22.5	2				
Channel				23765	23790	23825				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	22.99	23.22	23.05				24.5	0	
5	QPSK	1	12	22.91	23.11	22.83						
5	QPSK	1	24	22.94	23.11	22.88						
5	QPSK	12	0	22.76	23.15	22.80						
5	QPSK	12	7	22.95	22.76	22.71	24.5	0				
5	QPSK	12	13	22.86	22.91	22.80						
5	QPSK	25	0	22.80	23.01	23.03						
5	16QAM	1	0	22.91	23.15	22.91						
5	16QAM	1	12	22.78	22.87	22.81	24.5	0				
5	16QAM	1	24	22.86	22.90	22.72						
5	16QAM	12	0	22.05	22.17	21.96						
5	16QAM	12	7	22.02	22.13	21.82						
5	16QAM	12	13	21.96	22.22	21.98	23.5	1				
5	16QAM	25	0	21.79	22.21	21.83						
5	64QAM	1	0	22.02	22.24	22.06						
5	64QAM	1	12	21.90	22.00	21.87						
5	64QAM	1	24	21.88	21.96	21.91	23.5	1				
5	64QAM	12	0	21.01	20.95	21.04						
5	64QAM	12	7	20.96	21.28	21.06						
5	64QAM	12	13	21.06	21.08	20.83						
5	64QAM	25	0	20.91	21.20	20.88	22.5	2				

Band 26 DSH Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				821.5	831.5	841.5			
Frequency (MHz)				20765	20865	20965			
15	QPSK	1	0	23.60	23.68	23.59	25	0	
15	QPSK	1	37	23.58	23.54	23.46			
15	QPSK	1	74	23.56	23.58	23.60			
15	QPSK	36	0	23.14	23.18	23.17			
15	QPSK	36	20	23.02	23.10	22.99	24.5	0.5	
15	QPSK	36	39	23.11	23.13	23.15			
15	QPSK	75	0	23.13	23.20	23.03			
15	16QAM	1	0	22.96	22.96	22.91			
15	16QAM	1	37	23.02	22.98	22.89	24.5	0.5	
15	16QAM	1	74	23.09	23.12	22.91			
15	16QAM	36	0	22.18	22.26	22.14			
15	16QAM	36	20	22.02	21.97	21.95			
15	16QAM	36	39	22.03	22.18	22.16	23.5	1.5	
15	16QAM	75	0	22.07	22.18	22.15			
15	64QAM	1	0	22.04	22.27	22.20			
15	64QAM	1	37	22.06	21.93	21.84			
15	64QAM	1	74	22.10	22.10	22.22	23.5	1.5	
15	64QAM	36	0	21.00	21.10	21.20			
15	64QAM	36	20	21.21	21.22	21.10			
15	64QAM	36	39	20.96	21.15	20.91			
15	64QAM	75	0	20.95	21.18	21.14	22.5	2.5	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.41	23.50	23.49	25	0	
10	QPSK	1	25	23.42	23.47	23.40			
10	QPSK	1	49	23.36	23.48	23.57			
10	QPSK	25	0	22.95	23.01	23.12			
10	QPSK	25	12	22.94	22.95	22.91	24.5	0.5	
10	QPSK	25	25	22.98	23.12	23.01			
10	QPSK	50	0	23.02	23.21	22.95			
10	16QAM	1	0	22.85	22.74	22.80			
10	16QAM	1	25	23.04	22.77	22.95	24.5	0.5	
10	16QAM	1	49	23.02	22.91	22.91			
10	16QAM	25	0	22.05	22.09	22.12			
10	16QAM	25	12	21.88	21.90	21.92			
10	16QAM	25	25	21.99	22.13	21.95	23.5	1.5	
10	16QAM	50	0	22.02	21.99	21.98			
10	64QAM	1	0	21.84	22.20	21.99			
10	64QAM	1	25	22.08	21.88	21.82			
10	64QAM	1	49	22.02	22.02	22.07	23.5	1.5	
10	64QAM	25	0	21.00	21.06	21.13			
10	64QAM	25	12	21.17	21.03	20.84			
10	64QAM	25	25	20.96	21.06	20.78			
10	64QAM	50	0	20.99	21.00	21.11			
Channel				26715	26865	27015	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.42	23.60	23.53	25	0	
5	QPSK	1	12	23.38	23.37	23.40			
5	QPSK	1	24	23.46	23.41	23.57			
5	QPSK	12	0	22.99	23.17	23.11			
5	QPSK	12	7	22.81	22.90	22.81	24.5	0.5	
5	QPSK	12	13	23.12	22.94	23.15			
5	QPSK	25	0	23.07	23.14	22.87			
5	16QAM	1	0	22.96	22.80	22.87			
5	16QAM	1	12	22.82	22.87	22.84	24.5	0.5	
5	16QAM	1	24	22.99	22.99	22.90			
5	16QAM	12	0	22.02	22.20	22.02			
5	16QAM	12	7	21.86	21.88	21.96			
5	16QAM	12	13	21.95	21.99	21.95	23.5	1.5	
5	16QAM	25	0	22.07	22.06	21.98			
5	64QAM	1	0	21.86	22.08	22.06			
5	64QAM	1	12	22.01	21.81	21.73			
5	64QAM	1	24	22.06	22.02	22.14	23.5	1.5	
5	64QAM	12	0	21.01	20.99	21.03			
5	64QAM	12	7	21.01	21.03	20.95			
5	64QAM	12	13	20.82	21.05	20.88			
5	64QAM	25	0	20.92	21.12	21.02	22.5	2.5	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.48	23.59	23.44	25	0	
3	QPSK	1	8	23.55	23.47	23.29			
3	QPSK	1	14	23.58	23.42	23.47			
3	QPSK	8	4	23.14	22.98	23.09			
3	QPSK	8	7	22.96	22.92	22.85	24.5	0.5	
3	QPSK	8	7	23.04	23.00	22.95			
3	QPSK	15	0	23.07	23.01	22.81			
3	16QAM	1	0	22.94	22.83	22.72			
3	16QAM	1	8	23.03	22.99	22.92	24.5	0.5	
3	16QAM	1	14	23.10	23.01	22.92			
3	16QAM	8	0	22.01	22.12	22.05			
3	16QAM	8	4	22.01	21.99	21.86			
3	16QAM	8	7	21.88	22.09	22.01	23.5	1.5	
3	16QAM	15	0	21.88	22.05	22.12			
3	64QAM	1	0	21.85	22.27	22.03			
3	64QAM	1	8	22.00	21.80	21.74			
3	64QAM	1	14	21.99	21.99	22.21	23.5	1.5	
3	64QAM	8	0	20.85	21.02	21.04			
3	64QAM	8	4	21.18	21.15	20.87			
3	64QAM	8	7	20.85	21.16	20.81			
3	64QAM	15	0	20.76	21.14	21.14	22.5	2.5	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.54	23.52	23.59	25	0	
1.4	QPSK	1	3	23.38	23.46	23.32			
1.4	QPSK	1	5	23.56	23.52	23.40			
1.4	QPSK	3	0	23.37	23.33	23.37			
1.4	QPSK	3	3	21.46	23.30	23.23	24.5	0.5	
1.4	QPSK	3	3	21.43	23.27	23.39			
1.4	16QAM	1	0	22.93	23.07	22.83			
1.4	16QAM	1	3	22.93	22.74	22.72			
1.4	16QAM	1	3	22.92	22.79	22.99	24.5	0.5	
1.4	16QAM	1	5	22.97	22.97	22.75			
1.4	16QAM	3	0	22.79	22.69	22.58			
1.4	16QAM	3	1	22.84	22.77	23.39			
1.4	16QAM	3	3	22.83	22.78	22.57	23.5	1.5	
1.4	16QAM	6	0	22.01	22.05	22.14			
1.4	64QAM	1	3	22.05	22.14	22.21			
1.4	64QAM	1	3	22.00	21.82	21.94			
1.4	64QAM	1	5	21.94	21.91	22.23	23.5	1.5	
1.4	64QAM	3	0	22.05	22.23	22.16			
1.4	64QAM	3	1	21.78	21.83	21.96			
1.4	64QAM	3	3	21.89	21.88	21.95			
1.4	64QAM	6	0	20.88	20.98	21.02	22.5	2.5	

Band 38 DSI1 Ant2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.95	21.16	20.99	22	0		
20	QPSK	1	49	20.98	20.98	21.00				
20	QPSK	1	99	20.92	20.87	20.85				
20	QPSK	50	0	20.80	21.11	20.92	22	0		
20	QPSK	50	24	20.79	20.86	20.83				
20	QPSK	50	50	20.88	20.70	20.66				
20	QPSK	100	0	20.87	20.93	20.91	22	0		
20	16QAM	1	0	20.88	20.90	20.84				
20	16QAM	1	49	20.76	20.77	20.66				
20	16QAM	1	99	20.82	20.93	20.92	22	0		
20	16QAM	50	0	20.76	20.79	21.00				
20	16QAM	50	24	20.74	20.85	20.64				
20	16QAM	50	50	20.94	21.05	20.81	22	0		
20	16QAM	100	0	20.88	20.83	20.81				
20	64QAM	1	0	20.95	21.15	20.82				
20	64QAM	1	49	20.79	20.94	20.87	22	0		
20	64QAM	1	99	20.92	20.69	20.66				
20	64QAM	50	0	20.87	20.96	20.83				
20	64QAM	50	24	20.85	20.93	20.81	22	0		
20	64QAM	50	50	20.93	20.73	20.67				
20	64QAM	100	0	20.73	20.85	20.57				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.96	20.92	20.79				
15	QPSK	1	37	20.85	20.65	20.63	22	0		
15	QPSK	1	74	20.72	21.05	20.82				
15	QPSK	36	0	20.79	20.92	20.92				
15	QPSK	36	20	20.74	20.74	20.63	22	0		
15	QPSK	36	39	20.83	20.70	20.65				
15	QPSK	75	0	20.85	20.86	20.84				
15	16QAM	1	0	20.69	20.73	20.82	22	0		
15	16QAM	1	37	20.58	20.64	20.61				
15	16QAM	1	74	20.83	20.89	20.82				
15	16QAM	36	0	20.64	20.66	20.99	22	0		
15	16QAM	36	20	20.55	20.85	20.66				
15	16QAM	36	39	20.95	20.91	20.80				
15	16QAM	75	0	20.87	20.77	20.76	22	0		
15	64QAM	1	0	20.77	20.93	20.92				
15	64QAM	1	37	20.74	20.85	20.61				
15	64QAM	1	74	20.65	20.97	20.73	22	0		
15	64QAM	36	0	20.75	20.97	20.64				
15	64QAM	36	20	20.75	20.80	20.81				
15	64QAM	36	39	20.79	20.55	20.47	22	0		
15	64QAM	75	0	20.61	20.87	20.46				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.97	21.12	20.83				
10	QPSK	1	25	20.77	20.97	20.93	22	0		
10	QPSK	1	49	20.76	20.83	20.62				
10	QPSK	25	0	20.91	20.82	21.02				
10	QPSK	25	12	20.70	20.80	20.53	22	0		
10	QPSK	25	25	20.70	21.01	20.83				
10	QPSK	50	0	20.65	20.89	20.79				
10	16QAM	1	0	20.68	20.82	20.64	22	0		
10	16QAM	1	25	20.61	20.70	20.63				
10	16QAM	1	49	20.62	20.80	20.91				
10	16QAM	25	0	20.64	20.77	20.88	22	0		
10	16QAM	25	12	20.64	20.72	20.49				
10	16QAM	25	25	20.94	20.87	20.63				
10	16QAM	50	0	20.72	20.76	20.77	22	0		
10	64QAM	1	0	20.87	20.94	20.62				
10	64QAM	1	25	20.73	20.85	20.69				
10	64QAM	1	49	20.85	20.52	20.64	22	0		
10	64QAM	25	0	20.86	20.95	20.62				
10	64QAM	25	12	20.76	20.75	20.82				
10	64QAM	25	25	20.72	20.54	20.51	22	0		
10	64QAM	50	0	20.64	20.76	20.48				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.88	20.93	20.95				
5	QPSK	1	12	20.98	20.84	20.88	22	0		
5	QPSK	1	24	20.93	20.74	20.57				
5	QPSK	12	0	20.81	20.90	20.88				
5	QPSK	12	7	20.65	20.67	20.73	22	0		
5	QPSK	12	13	20.78	20.56	20.55				
5	QPSK	25	0	20.86	20.74	20.81				
5	16QAM	1	0	20.69	20.81	20.64	22	0		
5	16QAM	1	12	20.67	20.74	20.49				
5	16QAM	1	24	20.74	20.87	20.88				
5	16QAM	12	0	20.76	20.69	20.83	22	0		
5	16QAM	12	7	20.70	20.63	20.66				
5	16QAM	12	13	20.81	21.03	20.70				
5	16QAM	25	0	20.82	20.68	20.74	22	0		
5	64QAM	1	0	20.84	21.12	20.74				
5	64QAM	1	12	20.75	20.89	20.72				
5	64QAM	1	24	20.92	20.67	20.63	22	0		
5	64QAM	12	0	20.75	20.80	20.80				
5	64QAM	12	7	20.64	20.93	20.62				
5	64QAM	12	13	20.87	20.52	20.65	22	0		
5	64QAM	25	0	20.68	20.67	20.46				

Band 41 DSI1 Ant2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.12	21.06	21.27	21.08	21.00	22	0
20	QPSK	1	49	20.97	21.10	21.05	21.13	21.07		
20	QPSK	1	99	20.93	21.05	21.02	20.83	20.86		
20	QPSK	50	0	20.91	20.87	20.97	20.91	20.88	22	0
20	QPSK	50	24	20.96	20.92	20.90	20.48	20.86		
20	QPSK	50	50	20.75	20.84	20.84	20.79	20.73		
20	QPSK	100	0	20.39	20.41	20.88	20.87	20.86	22	0
20	16QAM	1	0	20.83	21.12	20.88	21.15	20.96		
20	16QAM	1	49	20.89	21.00	20.84	20.74	20.68		
20	16QAM	1	99	20.95	21.18	21.06	20.87	20.88	22	0
20	16QAM	50	0	20.89	21.05	20.84	21.11	21.11		
20	16QAM	50	24	20.71	20.88	20.84	20.71	20.64		
20	16QAM	50	50	20.88	21.08	20.96	20.98	20.86	22	0
20	16QAM	100	0	20.75	20.99	20.89	20.79	20.76		
20	64QAM	1	0	21.06	21.18	21.07	20.97	20.98		
20	64QAM	1	49	20.76	21.07	21.05	20.97	20.88	22	0
20	64QAM	1	99	20.80	21.07	20.96	20.77	20.81		
20	64QAM	50	0	20.93	21.07	21.05	20.95	20.81		
20	64QAM	50	24	20.97	21.19	20.87	20.89	20.79	22	0
20	64QAM	50	50	20.90	20.88	20.91	21.05	20.96		
20	64QAM	100	0	20.85	21.05	20.85	20.70	20.58		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.6	2682.5		
15	QPSK	1	0	20.93	20.99	20.95	20.94	21.06	22	0
15	QPSK	1	37	20.88	21.03	20.84	20.76	20.94		
15	QPSK	1	74	20.93	21.13	20.86	20.93	20.75		
15	QPSK	36	0	20.91	20.98	20.85	20.87	21.02	22	0
15	QPSK	36	20	20.76	20.76	20.99	20.91	20.75		
15	QPSK	36	39	20.64	20.77	20.86	20.60	20.78		
15	QPSK	75	0	21.09	21.00	20.78	20.81	20.68	22	0
15	16QAM	1	0	20.89	21.07	20.88	21.13	21.06		
15	16QAM	1	37	20.84	20.96	21.02	20.74	20.64		
15	16QAM	1	74	21.08	21.09	20.81	20.88	20.69	22	0
15	16QAM	36	0	20.71	21.01	20.70	21.01	20.97		
15	16QAM	36	20	20.62	20.80	20.67	20.62	20.54		
15	16QAM	36	39	20.75	20.91	20.93	20.81	20.84	22	0
15	16QAM	75	0	20.69	20.83	20.89	20.79	20.63		
15	64QAM	1	0	20.94	20.98	20.92	21.00	20.84		
15	64QAM	1	37	20.89	20.93	20.84	20.71	20.80	22	0
15	64QAM	1	74	21.13	21.13	20.80	20.93	20.77		
15	64QAM	36	0	20.81	21.01	20.84	21.00	20.83		
15	64QAM	36	20	20.92	20.95	21.03	20.66	20.74	22	0
15	64QAM	36	39	21.09	21.05	20.97	20.72	21.02		
15	64QAM	75	0	20.68	20.98	20.75	20.52	20.57		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.93	21.20	20.92	21.04	20.99	22	0
10	QPSK	1	25	20.87	21.00	20.87	21.11	20.97		
10	QPSK	1	49	20.94	21.01	20.81	20.80	20.86		
10	QPSK	25	0	20.98	21.09	20.94	20.79	20.82	22	0
10	QPSK	25	12	20.74	20.70	20.74	20.95	20.93		
10	QPSK	25	25	20.71	20.81	20.83	20.76	20.81		
10	QPSK	50	0	20.99	21.17	20.70	20.81	20.86	22	0
10	16QAM	1	0	20.93	21.08	21.00	20.97	21.10		
10	16QAM	1	25	20.87	20.89	21.04	20.74	20.71		
10	16QAM	1	49	20.93	21.12	20.98	20.86	20.75	22	0
10	16QAM	25	0	20.72	20.88	20.73	20.93	21.12		
10	16QAM	25	12	20.84	21.09	20.89	20.94	20.74		
10	16QAM	25	25	20.77	21.02	20.89	20.76	21.01	22	0
10	16QAM	50	0	21.12	21.02	20.78	20.70	20.64		
10	64QAM	1	0	20.90	21.05	21.07	20.80	20.91		
10	64QAM	1	25	20.58	21.03	21.04	20.86	20.92	22	0
10	64QAM	1	49	20.74	21.01	20.91	20.76	20.65		
10	64QAM	25	0	20.91	21.04	21.03	20.88	20.79		
10	64QAM	25	12	20.78	21.15	20.70	20.91	20.89	22	0
10	64QAM	25	25	20.76	20.76	20.93	20.92	21.07		
10	64QAM	50	0	20.68	20.89	20.84	20.48	20.68		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.00	21.13	20.85	20.90	21.05	22	0
5	QPSK	1	12	20.91	21.00	20.93	21.10	21.15		
5	QPSK	1	24	20.85	20.90	21.04	20.83	20.66		
5	QPSK	12	0	20.96	20.99	21.02	21.01	20.82	22	0
5	QPSK	12	7	20.83	20.89	20.91	20.80	21.01		
5	QPSK	12	13	21.07	21.07	20.82	20.90	20.80		
5	QPSK	25	0	20.93	21.06	20.89	20.85	20.69	22	0
5	16QAM	1	0	20.69	20.95	20.90	21.13	21.11		
5	16QAM	1	12	20.90	20.94	20.79	20.64	20.77		
5	16QAM	1	24	20.81	21.13	20.99	20.87	20.69	22	0
5	16QAM	12	0	20.79	21.09	20.98	21.05	21.02		
5	16QAM	12	7	20.90	20.85	20.92	20.80	20.75		
5	16QAM	12	13	20.94	21.18	20.76	20.75	20.93	22	0
5	16QAM	25	0	20.73	21.00	20.75	20.75	20.73		
5	64QAM	1	0	21.05	21.04	21.08	20.85	20.95		
5	64QAM	1	12	20.67	20.94	20.99	20.83	20.99	22	0
5	64QAM	1	24	20.60	21.00	20.88	20.69	20.77		
5	64QAM	12	0	20.88	20.95	20.96	20.81	20.98		
5	64QAM	12	7	20.87	21.10	20.67	20.83	20.86	22	0
5	64QAM	12	13	20.86	20.70	20.81	20.88	20.92		
5	64QAM	25	0	20.80	21.05	20.78	20.59	20.55		



Band 2 DSH Ant4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.62	23.81	23.77	25.5	0				
20	QPSK	1	49	23.80	23.69	23.56						
20	QPSK	1	99	23.56	23.67	23.74						
20	QPSK	50	0	22.96	23.01	22.76						
20	QPSK	50	24	23.80	22.94	22.74	24.5	1				
20	QPSK	50	50	22.78	22.76	22.79						
20	QPSK	100	0	22.71	22.74	22.53						
20	16QAM	1	0	22.80	22.81	22.71						
20	16QAM	1	49	22.80	22.76	22.75	24.5	1				
20	16QAM	1	99	22.62	22.77	22.82						
20	16QAM	50	0	21.73	21.81	21.67						
20	16QAM	50	24	21.74	21.81	21.55						
20	16QAM	50	50	21.55	21.59	21.69	23.5	2				
20	16QAM	100	0	21.65	21.79	21.79						
20	64QAM	1	0	21.59	21.85	21.75						
20	64QAM	1	49	21.81	21.71	21.63						
20	64QAM	1	99	21.60	21.74	21.64	23.5	2				
20	64QAM	50	0	20.55	20.88	20.80						
20	64QAM	50	24	20.73	20.85	20.83						
20	64QAM	50	50	20.88	20.73	20.80						
20	64QAM	100	0	20.50	20.72	20.84	22.5	3				
Channel												
Frequency (MHz)									18675	18900	19125	
15	QPSK	1	0	23.50	23.71	23.63	25.5	0				
15	QPSK	1	37	23.76	23.66	23.58						
15	QPSK	1	74	23.56	23.62	23.54						
15	QPSK	36	0	22.98	22.94	22.77						
15	QPSK	36	20	22.99	22.87	22.63	24.5	1				
15	QPSK	36	39	22.58	22.70	22.75						
15	QPSK	75	0	22.72	22.66	22.50						
15	16QAM	1	0	22.77	22.79	22.69						
15	16QAM	1	37	22.71	22.70	22.63	24.5	1				
15	16QAM	1	74	22.50	22.71	22.62						
15	16QAM	36	0	21.68	21.62	21.53						
15	16QAM	36	20	21.71	21.51	21.54						
15	16QAM	36	39	21.52	21.53	21.57	23.5	2				
15	16QAM	75	0	21.55	21.75	21.70						
15	64QAM	1	0	21.58	21.66	21.54						
15	64QAM	1	37	21.78	21.68	21.53						
15	64QAM	1	74	21.59	21.53	21.80	23.5	2				
15	64QAM	36	0	20.59	20.74	20.65						
15	64QAM	36	20	20.72	20.84	20.83						
15	64QAM	36	39	20.76	20.73	20.55						
15	64QAM	75	0	20.57	20.51	20.74	22.5	3				
Channel									18650	18900	19150	
Frequency (MHz)									1855	1880	1905	
10	QPSK	1	0	23.51	23.66	23.59	25.5	0				
10	QPSK	1	25	23.71	23.52	23.50						
10	QPSK	1	49	23.50	23.60	23.69						
10	QPSK	25	0	22.75	23.00	22.76						
10	QPSK	25	12	22.84	22.95	22.69	24.5	1				
10	QPSK	25	25	22.66	22.66	22.74						
10	QPSK	50	0	22.58	22.64	22.54						
10	16QAM	1	0	22.69	22.64	22.67						
10	16QAM	1	25	22.59	22.62	22.75	24.5	1				
10	16QAM	1	49	22.58	22.70	22.50						
10	16QAM	25	0	21.55	21.72	21.50						
10	16QAM	25	12	21.60	21.60	21.51						
10	16QAM	25	25	21.55	21.59	21.70	23.5	2				
10	16QAM	50	0	21.56	21.66	21.73						
10	64QAM	1	0	21.59	21.77	21.71						
10	64QAM	1	25	21.74	21.53	21.51						
10	64QAM	1	49	21.53	21.72	21.60	23.5	2				
10	64QAM	25	0	20.50	20.82	20.67						
10	64QAM	25	12	20.57	20.85	20.85						
10	64QAM	25	25	20.77	20.67	20.52						
10	64QAM	50	0	20.50	20.64	20.67	22.5	3				
Channel									18625	18900	19175	
Frequency (MHz)									1852.5	1880	1907.5	
5	QPSK	1	0	23.56	23.73	23.62	25.5	0				
5	QPSK	1	12	23.66	23.70	23.57						
5	QPSK	1	24	23.58	23.50	23.53						
5	QPSK	12	0	22.75	22.88	22.65						
5	QPSK	12	7	22.93	22.89	22.75	24.5	1				
5	QPSK	12	13	22.62	22.70	22.57						
5	QPSK	25	0	22.63	22.69	22.58						
5	16QAM	1	0	22.63	22.63	22.54						
5	16QAM	1	12	22.60	22.63	22.66	24.5	1				
5	16QAM	1	24	22.52	22.68	22.56						
5	16QAM	12	0	21.73	21.65	21.52						
5	16QAM	12	7	21.73	21.50	21.59						
5	16QAM	12	13	21.50	21.55	21.54	23.5	2				
5	16QAM	25	0	21.55	21.65	21.73						
5	64QAM	1	0	21.61	21.71	21.68						
5	64QAM	1	12	21.81	21.51	21.58						
5	64QAM	1	24	21.59	21.66	21.55	23.5	2				
5	64QAM	12	0	20.52	20.82	20.69						
5	64QAM	12	7	20.52	20.82	20.74						
5	64QAM	12	13	20.76	20.52	20.59						
5	64QAM	25	0	20.51	20.57	20.77	22.5	3				
Channel									18615	18900	19185	
Frequency (MHz)									1851.5	1880	1908.5	
3	QPSK	1	0	23.59	23.78	23.65	25.5	0				
3	QPSK	1	8	23.66	23.66	23.50						
3	QPSK	1	14	23.66	23.58	23.59						
3	QPSK	8	0	22.82	22.85	22.66						
3	QPSK	8	4	22.94	22.95	22.63	24.5	1				
3	QPSK	8	7	22.69	22.78	22.69						
3	QPSK	15	0	22.53	22.62	22.51						
3	16QAM	1	0	22.72	22.74	22.64						
3	16QAM	1	8	22.82	22.72	22.68	24.5	1				
3	16QAM	1	14	22.59	22.61	22.51						
3	16QAM	8	0	21.70	21.76	21.58						
3	16QAM	8	4	21.73	21.50	21.58						
3	16QAM	8	7	21.53	21.58	21.59	23.5	2				
3	16QAM	15	0	21.65	21.79	21.80						
3	64QAM	1	0	21.50	21.80	21.63						
3	64QAM	1	8	21.76	21.59	21.63						
3	64QAM	1	14	21.59	21.57	21.55	23.5	2				
3	64QAM	8	0	20.54	20.81	20.74						
3	64QAM	8	4	20.66	20.79	20.67						
3	64QAM	8	7	20.67	20.72	20.52						
3	64QAM	15	0	20.58	20.55	20.69	22.5	3				
Channel									18607	18900	19193	
Frequency (MHz)									1850.7	1880	1909.3	
1.4	QPSK	1	0	23.50	23.71	23.73	25.5	0				
1.4	QPSK	1	0	23.51	23.73	23.53						
1.4	QPSK	1	5	23.55	23.57	23.63						
1.4	QPSK	3	0	23.56	23.74	23.73						
1.4	QPSK	3	0	23.51	23.62	23.53	24.5	1				
1.4	QPSK	3	1	23.53	23.52	23.54						
1.4	QPSK	3	0	22.67	22.66	22.67						
1.4	16QAM	1	0	22.81	22.77	22.69						
1.4	16QAM	1	3	22.65	22.75	22.68	24.5	1				
1.4	16QAM	1	5	22.64	22.71	22.73						
1.4	16QAM	3	0	22.82	22.60	22.56						
1.4	16QAM	3	1	22.60	22.59	22.56						
1.4	16QAM	3	2	22.56	22.56	22.56	23.5	2				
1.4	16QAM	6	0	21.81	21.59	21.61						
1.4	64QAM	1	0	21.50	21.65	21.70						
1.4	64QAM	1	3	21.64	21.50	21.55						
1.4	64QAM	3	0	21.50	21.64	21.66	23.5	2				
1.4	64QAM	3	0	21.59	21.56	21.70						
1.4	64QAM	3	1	21.58	21.56	21.62						
1.4	64QAM	3	3	21.68	21.57	21.56						
1.4	64QAM	6	0	20.56	20.68	20.81	22.5	3				

GSM850 DS2 Ant1								
GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	
GSM 1 Tx slot	33.18	33.25	33.33	33.50	24.18	24.25	24.33	24.50
GPRS 1 Tx slot	33.09	33.37	33.25	33.50	24.09	24.37	24.25	24.50
GPRS 2 Tx slots	29.98	29.98	29.75	30.00	23.98	23.98	23.75	24.00
GPRS 3 Tx slots	28.11	28.43	28.08	28.50	23.85	24.17	23.82	24.24
GPRS 4 Tx slots	26.84	27.06	26.95	27.50	23.84	24.06	23.95	24.50
EDGE 1 Tx slot	27.37	27.37	27.10	27.50	18.37	18.37	18.10	18.50
EDGE 2 Tx slots	24.58	24.72	24.49	25.00	18.58	18.72	18.49	19.00
EDGE 3 Tx slots	22.82	22.86	22.98	23.50	18.56	18.60	18.72	19.24
EDGE 4 Tx slots	21.76	21.80	21.76	22.50	18.76	18.80	18.76	19.50

		GSM1900 DS2 Ant1							
GSM1900		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot		29.71	29.68	29.98	30.50	20.71	20.68	20.98	21.50
GPRS 1 Tx slot		29.90	30.12	29.89	30.50	20.90	21.12	20.89	21.50
GPRS 2 Tx slots		25.99	26.04	26.19	26.70	19.99	20.04	20.19	20.70
GPRS 3 Tx slots		24.05	23.93	24.40	25.00	19.79	19.67	20.14	20.74
GPRS 4 Tx slots		22.82	23.04	23.24	24.00	19.82	20.04	20.24	21.00
EDGE 1 Tx slot		25.72	25.77	26.06	26.80	16.72	16.77	17.06	17.80
EDGE 2 Tx slots		23.31	23.27	23.32	24.10	17.31	17.27	17.32	18.10
EDGE 3 Tx slots		22.11	22.10	22.34	23.10	17.85	17.84	18.08	18.84
EDGE 4 Tx slots		20.34	20.46	20.44	21.30	17.34	17.46	17.44	18.30

WCDMA II DS2 Ant1					WCDMA IV DS2 Ant1				WCDMA V DS2 Ant1			
Band	WCDMA II				Tune-up Limit	WCDMA IV			Tune-up Limit	WCDMA V		
TX Channel	9262	9400	9538			1312	1413	1513		4132	4182	4233
Rx Channel	9662	9800	9938			1537	1638	1738		4357	4407	4458
Frequency (MHz)	1852.4	1880	1907.6	(dBm)		1712.4	1732.6	1752.6	(dBm)	826.4	836.4	846.6
3GPP Rel 99	AMR 12.2kbps	23.97	24.03	23.99	25.50	24.01	24.07	23.99	25.50	24.51	24.50	24.37
3GPP Rel 99	RMC 12.2kbps	24.03	24.11	23.98	25.50	24.06	24.16	24.10	25.50	24.50	24.53	24.49
3GPP Rel 6	HSDPA Subtest-1	22.94	22.90	22.94	24.00	22.84	22.91	22.67	24.00	23.50	23.39	23.44
3GPP Rel 6	HSDPA Subtest-2	23.01	22.96	22.93	24.00	22.90	22.90	22.81	24.00	23.27	23.43	23.24
3GPP Rel 6	HSDPA Subtest-3	22.53	22.28	22.36	24.00	22.25	22.23	22.26	24.00	22.97	22.74	22.81
3GPP Rel 6	HSDPA Subtest-4	22.53	22.50	22.31	24.00	22.39	22.21	22.27	24.00	22.76	22.97	22.82
3GPP Rel 8	DC-HSDPA Subtest-1	23.01	22.90	22.98	24.00	23.17	22.91	23.06	24.00	23.38	23.27	23.32
3GPP Rel 8	DC-HSDPA Subtest-2	23.03	22.90	23.00	24.00	23.07	22.94	22.75	24.00	23.35	23.29	23.17
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.72	22.58	24.00	22.43	22.56	22.40	24.00	22.87	22.77	22.76
3GPP Rel 8	DC-HSDPA Subtest-4	22.54	22.44	22.25	24.00	22.71	22.24	22.57	24.00	22.98	22.88	22.75
3GPP Rel 6	HSUPA Subtest-1	21.42	21.41	21.54	23.00	21.57	21.52	21.53	23.00	22.93	22.89	22.88
3GPP Rel 6	HSUPA Subtest-2	21.16	21.12	21.24	23.00	21.30	21.29	21.48	23.00	21.26	21.16	21.29
3GPP Rel 6	HSUPA Subtest-3	21.41	21.18	21.44	23.00	21.42	21.37	21.62	23.00	22.19	22.24	22.36
3GPP Rel 6	HSUPA Subtest-4	21.22	21.49	21.43	23.00	21.46	21.66	21.53	23.00	21.17	21.23	21.25
3GPP Rel 6	HSUPA Subtest-5	21.52	21.47	21.52	23.00	21.73	21.58	21.73	23.00	22.97	23.00	22.84

Band 2 DS12 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.83	24.01	23.90	25.5	0		
20	QPSK	1	49	23.66	23.88	23.76				
20	QPSK	1	99	23.78	23.77	23.71				
20	QPSK	50	0	22.95	22.96	22.76				
20	QPSK	50	24	22.79	22.69	22.63	24.5	1		
20	QPSK	50	50	22.77	22.71	22.68				
20	QPSK	100	0	22.63	22.80	22.65				
20	16QAM	1	0	23.27	23.30	23.17				
20	16QAM	1	49	23.07	22.85	23.00	24.5	1		
20	16QAM	1	99	22.99	22.90	23.00				
20	16QAM	50	24	21.79	21.78	21.70				
20	16QAM	50	50	21.71	21.70	21.58				
20	16QAM	50	50	21.61	21.55	21.56	23.5	2		
20	16QAM	100	0	21.67	21.57	21.81				
20	64QAM	1	0	21.96	21.78	21.64				
20	64QAM	1	49	21.78	21.70	21.71				
20	64QAM	1	99	21.66	21.54	21.62	23.5	2		
20	64QAM	50	0	20.80	20.80	20.80				
20	64QAM	50	24	20.63	20.67	20.67				
20	64QAM	50	50	20.62	20.61	20.66				
20	64QAM	100	0	20.53	20.75	20.82	22.5	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.66	23.98	23.88	25.5	0		
15	QPSK	1	37	23.78	23.78	23.78				
15	QPSK	1	74	23.78	23.63	23.53				
15	QPSK	36	0	22.79	22.83	22.77				
15	QPSK	36	20	22.74	22.50	22.53	24.5	1		
15	QPSK	36	39	22.66	22.53	22.66				
15	QPSK	75	0	22.64	22.77	22.60				
15	16QAM	1	0	23.00	22.98	23.16				
15	16QAM	1	37	22.96	22.96	22.86	24.5	1		
15	16QAM	1	74	22.95	22.86	22.82				
15	16QAM	36	0	21.80	21.78	21.72				
15	16QAM	36	20	21.55	21.51	21.57				
15	16QAM	36	39	21.56	21.52	21.67	23.5	2		
15	16QAM	75	0	21.56	21.54	21.66				
15	64QAM	1	0	21.77	21.79	21.60				
15	64QAM	1	37	21.73	21.69	21.63				
15	64QAM	1	74	21.50	21.59	21.61	23.5	2		
15	64QAM	36	0	20.67	20.83	20.67				
15	64QAM	36	20	20.50	20.66	20.58				
15	64QAM	36	39	20.60	20.63	20.53				
15	64QAM	75	0	20.50	20.75	20.64	22.5	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.78	23.94	23.83	25.5	0		
10	QPSK	1	25	23.61	23.85	23.59				
10	QPSK	1	49	23.62	23.72	23.57				
10	QPSK	25	0	22.76	22.84	22.55				
10	QPSK	25	12	22.58	22.59	22.57	24.5	1		
10	QPSK	25	25	22.73	22.65	22.58				
10	QPSK	50	0	22.57	22.59	22.62				
10	16QAM	1	0	23.17	22.95	23.18				
10	16QAM	1	25	22.99	22.78	23.01	24.5	1		
10	16QAM	1	49	22.81	22.79	22.93				
10	16QAM	25	0	21.70	21.74	21.58				
10	16QAM	25	12	21.68	21.72	21.53				
10	16QAM	25	25	21.53	21.56	21.56	23.5	2		
10	16QAM	50	0	21.50	21.55	21.83				
10	64QAM	1	0	21.81	21.74	21.57				
10	64QAM	1	25	21.61	21.58	21.53				
10	64QAM	1	49	21.59	21.57	21.62	23.5	2		
10	64QAM	25	0	20.64	20.87	20.62				
10	64QAM	25	12	20.53	20.69	20.55				
10	64QAM	25	25	20.62	20.55	20.60				
10	64QAM	50	0	20.79	20.59	20.75	22.5	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.82	23.83	23.86	25.5	0		
5	QPSK	1	12	23.67	23.80	23.69				
5	QPSK	1	24	23.76	23.56	23.57				
5	QPSK	12	0	22.86	22.74	22.63				
5	QPSK	12	7	22.72	22.67	22.53	24.5	1		
5	QPSK	12	13	22.78	22.73	22.56				
5	QPSK	25	0	22.61	22.59	22.53				
5	16QAM	1	0	23.17	22.98	23.06				
5	16QAM	1	12	22.90	22.73	22.85	24.5	1		
5	16QAM	1	24	22.79	22.87	22.88				
5	16QAM	12	0	21.69	21.57	21.59				
5	16QAM	12	7	21.63	21.57	21.61				
5	16QAM	12	13	21.63	21.54	21.57	23.5	2		
5	16QAM	25	0	21.58	21.69	21.80				
5	64QAM	1	0	21.79	21.59	21.67				
5	64QAM	1	12	21.69	21.70	21.62				
5	64QAM	1	24	21.70	21.55	21.50	23.5	2		
5	64QAM	12	0	20.62	20.70	20.76				
5	64QAM	12	7	20.64	20.56	20.58				
5	64QAM	12	13	20.65	20.54	20.65				
5	64QAM	25	0	20.69	20.74	20.70	22.5	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.75	23.95	23.92	25.5	0		
3	QPSK	1	8	23.53	23.90	23.55				
3	QPSK	1	14	23.60	23.65	23.56				
3	QPSK	8	0	22.82	22.89	22.59				
3	QPSK	8	4	22.67	22.85	22.60	24.5	1		
3	QPSK	8	7	22.63	22.64	22.66				
3	QPSK	15	0	22.61	22.74	22.52				
3	16QAM	1	0	23.28	23.14	22.99				
3	16QAM	1	8	22.89	22.79	22.89	24.5	1		
3	16QAM	1	14	22.91	22.82	22.97				
3	16QAM	8	0	21.58	21.57	21.60				
3	16QAM	8	4	21.69	21.56	21.59				
3	16QAM	8	7	21.59	21.55	21.55	23.5	2		
3	16QAM	15	0	21.59	21.74	21.67				
3	64QAM	1	0	21.77	21.66	21.53				
3	64QAM	1	8	21.77	21.61	21.56				
3	64QAM	1	14	21.52	21.60	21.55	23.5	2		
3	64QAM	8	0	20.50	20.85	20.60				
3	64QAM	8	4	20.86	20.69	20.75				
3	64QAM	8	7	20.62	20.85	20.58				
3	64QAM	15	0	20.67	20.73	20.69	22.5	3		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.71	23.93	23.78	25.5	0		
1.4	QPSK	1	3	23.54	23.39	23.75				
1.4	QPSK	1	5	23.69	23.37	23.81				
1.4	QPSK	3	0	23.61	23.90	23.76				
1.4	QPSK	3	3	23.56	23.71	23.66	24.5	1		
1.4	QPSK	3	3	23.64	23.75	23.62				
1.4	QPSK	6	0	22.60	22.56	22.69				
1.4	16QAM	1	0	23.14	22.72	23.05				
1.4	16QAM	1	3	23.06	22.84	22.96	24.5	1		
1.4	16QAM	1	5	22.96	22.87	22.84				
1.4	16QAM	3	0	22.93	22.78	23.05				
1.4	16QAM	3	1	22.93	22.70	22.78				
1.4	16QAM	3	3	22.88	22.72	22.78	23.5	2		
1.4	16QAM	6	0	21.55	21.55	21.77				
1.4	64QAM	1	0	21.83	21.59	21.59				
1.4	64QAM	1	3	21.80	21.51	21.61				
1.4	64QAM	3	0	21.84	21.54	21.53	23.5	2		
1.4	64QAM	3	0	21.82	21.71	21.54				
1.4	64QAM	3	1	21.79	21.62	21.62				
1.4	64QAM	3	3	21.68	21.68	21.60				
1.4	64QAM	6	0	20.65	20.74	20.64	22.5	3		

Band 7 DS12 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20650	21100	21350				
Frequency (MHz)				2535	2535	2560				
20	QPSK	1	0	23.19	23.30	23.38			24	0
20	QPSK	1	49	23.06	23.12	23.04				
20	QPSK	1	99	23.03	23.18	23.14				
20	QPSK	50	0	21.92	22.10	21.96			23	1
20	QPSK	50	24	21.81	21.99	21.86				
20	QPSK	50	50	21.86	22.01	21.93				
20	QPSK	100	0	21.96	22.09	21.98			23	1
20	16QAM	1	0	22.58	22.67	22.56				
20	16QAM	1	49	22.37	22.62	22.31				
20	16QAM	1	99	22.33	22.45	22.28			22	2
20	16QAM	50	0	21.22	21.34	21.24				
20	16QAM	50	24	21.16	21.33	21.26				
20	16QAM	100	0	21.22	21.33	21.24			22	2
20	64QAM	1	0	21.35	21.41	21.43				
20	64QAM	1	49	21.31	21.22	21.09				
20	64QAM	1	99	21.33	21.19	21.11			21	3
20	64QAM	50	0	20.09	20.20	20.12				
20	64QAM	50	24	20.03	20.11	20.05				
20	64QAM	50	50	20.04	20.18	20.16			21	3
20	64QAM	100	0	20.13	20.22	20.13				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.06	23.20	23.08			24	0
15	QPSK	1	37	23.04	23.12	23.24				
15	QPSK	1	74	23.02	23.13	23.02				
15	QPSK	36	0	21.70	22.01	21.87			23	1
15	QPSK	36	20	21.83	21.98	21.82				
15	QPSK	36	39	21.79	22.06	21.85				
15	QPSK	75	0	21.82	21.98	21.81			23	1
15	16QAM	1	0	22.19	22.26	22.25				
15	16QAM	1	37	22.28	22.37	22.21				
15	16QAM	1	74	22.39	22.32	22.22			22	2
15	16QAM	36	0	21.02	21.24	21.19				
15	16QAM	36	20	21.12	21.24	21.16				
15	16QAM	36	39	21.09	21.29	21.17			22	2
15	16QAM	75	0	21.12	21.24	21.15				
15	64QAM	1	0	21.01	21.17	21.03				
15	64QAM	1	37	20.99	21.12	21.16			21	3
15	64QAM	1	74	21.13	21.29	21.17				
15	64QAM	36	0	19.72	19.93	19.86				
15	64QAM	36	20	19.81	19.96	19.83			21	3
15	64QAM	36	39	19.80	20.00	19.85				
15	64QAM	75	0	19.82	19.96	19.85				
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.02	23.11	23.01			24	0
10	QPSK	1	25	22.82	22.92	23.00				
10	QPSK	1	49	22.97	23.10	23.04				
10	QPSK	25	0	21.94	21.99	21.99			23	1
10	QPSK	25	12	21.89	22.03	21.99				
10	QPSK	25	25	21.96	22.08	22.00				
10	QPSK	50	0	21.91	22.08	22.03			23	1
10	16QAM	1	0	22.33	22.46	22.31				
10	16QAM	1	25	22.29	22.47	22.22				
10	16QAM	1	49	22.38	22.52	22.29			22	2
10	16QAM	25	0	20.99	20.99	21.00				
10	16QAM	25	12	20.82	20.98	21.06				
10	16QAM	25	25	20.86	20.95	21.06			22	2
10	16QAM	50	0	20.87	21.03	21.02				
10	64QAM	1	0	21.21	21.32	21.22				
10	64QAM	1	25	21.11	21.30	21.22			22	2
10	64QAM	1	49	21.24	21.35	21.28				
10	64QAM	25	0	19.97	19.99	19.95				
10	64QAM	25	12	19.84	20.01	19.93			21	3
10	64QAM	25	25	19.90	20.01	20.00				
10	64QAM	50	0	19.84	19.99	20.01				
Channel				20975	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	22.96	23.04	23.06			24	0
5	QPSK	1	12	22.86	22.96	23.02				
5	QPSK	1	24	22.82	22.95	22.98				
5	QPSK	12	0	21.98	22.04	21.98			23	1
5	QPSK	12	7	21.94	22.06	21.99				
5	QPSK	12	13	21.98	22.02	21.99				
5	QPSK	25	0	21.98	22.03	22.04			23	1
5	16QAM	1	0	22.35	22.45	22.40				
5	16QAM	1	12	22.22	22.30	22.19				
5	16QAM	1	24	22.16	22.35	22.35			22	2
5	16QAM	12	0	21.03	21.05	21.07				
5	16QAM	12	7	21.02	21.08	21.05				
5	16QAM	12	13	21.02	21.05	21.02			22	2
5	16QAM	25	0	20.97	21.06	21.00				
5	64QAM	1	0	21.15	21.23	21.18				
5	64QAM	1	12	21.01	21.13	20.95			22	2
5	64QAM	1	24	21.03	21.15	21.07				
5	64QAM	12	0	19.99	20.02	20.04				
5	64QAM	12	7	19.98	20.03	20.03			21	3
5	64QAM	12	13	19.93	19.99	19.99				
5	64QAM	25	0	19.96	20.06	20.01				

Band 12 DS12 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23060	23095	23130					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	23.91	24.10	23.98	25.5	0			
10	QPSK	1	25	23.82	24.02	23.79					
10	QPSK	1	49	23.80	23.96	23.88					
10	QPSK	25	0	22.81	23.10	22.93	24.5	1			
10	QPSK	25	12	22.76	22.94	22.86					
10	QPSK	25	25	22.89	23.03	22.92					
10	QPSK	50	0	23.03	23.07	23.05	24.5	1			
10	16QAM	1	0	22.79	23.16	23.09					
10	16QAM	1	25	22.85	23.13	22.89					
10	16QAM	1	49	22.84	22.92	22.85	23.5	2			
10	16QAM	25	0	21.98	22.13	22.02					
10	16QAM	25	12	21.87	22.04	21.88					
10	16QAM	25	25	21.79	21.98	21.78	23.5	2			
10	16QAM	50	0	21.86	22.09	21.90					
10	64QAM	1	0	21.90	22.01	21.95					
10	64QAM	1	25	21.80	21.94	21.71	23.5	2			
10	64QAM	1	49	21.81	21.92	21.82					
10	64QAM	25	0	20.80	21.19	20.91					
10	64QAM	25	12	20.95	20.98	21.10	22.5	3			
10	64QAM	25	25	20.75	21.08	20.73					
10	64QAM	50	0	20.83	20.86	20.82					
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	0	23.92	23.99	23.96	25.5	0			
5	QPSK	1	12	23.83	23.94	23.84					
5	QPSK	1	24	23.79	23.80	23.76					
5	QPSK	12	0	22.60	22.97	22.83	24.5	1			
5	QPSK	12	7	22.72	22.94	22.68					
5	QPSK	12	13	22.58	23.03	22.76					
5	QPSK	25	0	22.94	22.86	23.00	24.5	1			
5	16QAM	1	0	22.70	23.12	23.09					
5	16QAM	1	12	22.76	22.96	22.74					
5	16QAM	1	24	22.77	22.91	22.79	23.5	2			
5	16QAM	12	0	21.96	22.04	21.83					
5	16QAM	12	7	21.84	21.98	21.84					
5	16QAM	12	13	21.77	21.84	21.62	23.5	2			
5	16QAM	12	25	21.65	21.83	21.68					
5	16QAM	1	0	21.73	21.92	21.85					
5	64QAM	1	12	21.60	21.89	21.55	22.5	3			
5	64QAM	1	24	21.80	21.74	21.83					
5	64QAM	12	0	20.74	21.00	20.87					
5	64QAM	12	7	20.75	20.94	21.09	22.5	3			
5	64QAM	12	13	20.73	21.03	20.87					
5	64QAM	25	0	20.75	20.96	20.74					
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	23.86	24.03	23.88	25.5	0			
3	QPSK	1	8	23.73	23.87	23.70					
3	QPSK	1	14	23.60	23.87	23.73					
3	QPSK	8	0	22.73	22.95	22.87	24.5	1			
3	QPSK	8	4	22.70	22.92	22.85					
3	QPSK	8	7	22.57	22.82	22.89					
3	QPSK	15	0	23.01	22.98	23.05	24.5	1			
3	16QAM	1	0	22.69	23.02	23.08					
3	16QAM	1	8	22.80	23.06	22.68					
3	16QAM	1	14	22.70	22.92	22.68	23.5	2			
3	16QAM	8	0	21.98	21.97	21.97					
3	16QAM	8	4	21.69	21.89	21.68					
3	16QAM	15	0	21.72	21.93	21.78	23.5	2			
3	64QAM	1	0	21.75	21.88	21.93					
3	64QAM	1	8	21.66	21.87	21.71					
3	64QAM	1	14	21.68	21.77	21.62	22.5	3			
3	64QAM	8	0	20.86	21.02	20.76					
3	64QAM	8	4	20.75	20.94	21.06					
3	64QAM	8	7	20.62	21.06	20.64	22.5	3			
3	64QAM	15	0	20.74	20.76	20.78					
3	64QAM	15	0	20.74	20.76	20.78					
Channel				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)			
1.4	QPSK	1	0	23.92	23.89	23.81	25.5	0			
1.4	QPSK	1	3	23.72	23.81	23.68					
1.4	QPSK	1	5	23.64	23.82	23.86					
1.4	QPSK	3	0	23.71	23.88	23.79	24.5	1			
1.4	QPSK	3	1	23.63	23.67	23.64					
1.4	QPSK	3	3	23.63	23.69	23.63					
1.4	QPSK	6	0	22.84	22.84	22.84	24.5	1			
1.4	16QAM	1	0	22.76	23.12	22.90					
1.4	16QAM	1	3	22.84	22.96	22.69					
1.4	16QAM	1	5	22.79	22.89	22.86	24.5	1			
1.4	16QAM	3	0	22.60	22.99	22.75					
1.4	16QAM	3	1	22.76	22.82	22.53					
1.4	16QAM	3	3	22.60	22.75	22.86	23.5	2			
1.4	16QAM	6	0	21.78	22.02	21.88					
1.4	64QAM	1	0	21.73	21.83	21.93					
1.4	64QAM	1	3	21.76	21.87	21.64	23.5	2			
1.4	64QAM	1	5	21.76	21.93	21.67					
1.4	64QAM	3	0	21.67	21.76	21.71					
1.4	64QAM	3	1	21.61	21.69	21.55	22.5	3			
1.4	64QAM	3	3	21.78	21.75	21.56					
1.4	64QAM	3	0	20.71	20.81	20.60					

Band 17 DS12 Ant1												
BW [MHz]	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	23.96	24.04	23.92	25.5	0				
10	QPSK	1	25	23.93	23.87	23.74						
10	QPSK	1	49	23.96	24.02	23.83						
10	QPSK	25	0	22.89	23.05	22.94						
10	QPSK	25	12	22.85	22.79	22.70	24.5	1				
10	QPSK	25	25	23.03	22.99	22.82						
10	QPSK	50	0	22.92	23.06	22.81						
10	16QAM	1	0	22.90	22.96	22.81						
10	16QAM	1	25	22.92	22.78	22.81	24.5	1				
10	16QAM	1	49	23.02	23.13	22.84						
10	16QAM	25	0	21.96	22.02	21.89						
10	16QAM	25	12	21.96	21.83	21.70						
10	16QAM	25	25	21.88	22.11	21.75	23.5	2				
10	16QAM	50	0	21.96	22.00	21.84						
10	64QAM	1	0	22.00	22.02	21.84						
10	64QAM	1	25	21.98	21.79	21.77						
10	64QAM	1	49	21.85	22.03	21.90	23.5	2				
10	64QAM	25	0	20.93	20.93	20.93						
10	64QAM	25	12	20.90	21.03	20.97						
10	64QAM	25	25	20.84	20.92	20.80						
10	64QAM	50	0	20.90	21.13	20.89	22.5	3				
Channel				23765	23790	23825						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	23.78	23.87	23.77				25.5	0	
5	QPSK	1	12	23.91	23.70	23.74						
5	QPSK	1	24	23.86	23.91	23.66						
5	QPSK	12	0	22.80	22.91	22.81						
5	QPSK	12	7	22.64	22.76	22.69	24.5	1				
5	QPSK	12	13	22.83	22.83	22.83						
5	QPSK	25	0	22.78	23.02	22.80						
5	16QAM	1	0	22.72	22.86	22.83						
5	16QAM	1	12	22.70	22.78	22.72	24.5	1				
5	16QAM	1	24	22.94	23.06	22.62						
5	16QAM	12	0	21.94	21.90	21.79						
5	16QAM	12	7	21.94	21.73	21.52						
5	16QAM	12	13	21.77	21.96	21.56	23.5	2				
5	16QAM	25	0	21.85	21.96	21.63						
5	64QAM	1	0	21.88	21.99	21.68						
5	64QAM	1	12	21.81	21.63	21.60						
5	64QAM	1	24	21.68	22.01	21.74	23.5	2				
5	64QAM	12	0	20.80	20.72	20.72						
5	64QAM	12	7	20.75	20.96	20.77						
5	64QAM	12	13	20.64	20.77	20.71						
5	64QAM	25	0	20.62	21.04	20.77	22.5	3				

Band 26 DS12 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.51	24.52	24.44	25.5	0	
15	QPSK	1	37	24.40	24.33	24.36			
15	QPSK	1	74	24.44	24.39	24.26			
15	QPSK	36	0	23.49	23.58	23.53			
15	QPSK	36	20	23.31	23.44	23.25	24.5	1	
15	QPSK	36	39	23.37	23.47	23.19			
15	QPSK	75	0	23.46	23.59	23.45			
15	16QAM	1	0	23.48	23.44	23.43			
15	16QAM	1	37	23.43	23.41	23.39	24.5	1	
15	16QAM	1	74	23.34	23.49	23.32			
15	16QAM	36	0	22.48	22.42	22.34			
15	16QAM	36	20	22.43	22.31	22.39			
15	16QAM	36	39	22.45	22.41	22.26	23.5	2	
15	16QAM	75	0	22.47	22.60	22.55			
15	64QAM	1	0	22.53	22.61	22.37			
15	64QAM	1	37	22.33	22.33	22.28			
15	64QAM	1	74	22.43	22.46	22.26	23.5	2	
15	64QAM	36	0	21.51	21.49	21.54			
15	64QAM	36	20	21.48	21.53	21.55			
15	64QAM	36	39	21.29	21.23	21.42			
15	64QAM	75	0	21.47	21.33	21.22	22.5	3	
Channel				26740	26865	26990	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.33	24.49	24.30	25.5	0	
10	QPSK	1	25	24.41	24.18	24.21			
10	QPSK	1	49	24.44	24.16	24.25			
10	QPSK	25	0	23.49	23.44	23.51			
10	QPSK	25	12	23.14	23.29	23.24	24.5	1	
10	QPSK	25	25	23.31	23.49	23.19			
10	QPSK	50	0	23.26	23.58	23.40			
10	16QAM	1	0	23.28	23.36	23.40			
10	16QAM	1	25	23.43	23.22	23.30	24.5	1	
10	16QAM	1	49	23.29	23.29	23.20			
10	16QAM	25	0	22.44	22.21	22.26			
10	16QAM	25	12	22.44	22.24	22.34			
10	16QAM	25	25	22.47	22.21	22.05	23.5	2	
10	16QAM	50	0	22.27	22.21	22.46			
10	64QAM	1	0	22.47	22.41	22.23			
10	64QAM	1	25	22.29	22.14	22.08			
10	64QAM	1	49	22.38	22.39	22.11	22.5	3	
10	64QAM	25	0	21.32	21.35	21.39			
10	64QAM	25	12	21.43	21.51	21.51			
10	64QAM	25	25	21.11	21.14	21.42			
10	64QAM	50	0	21.35	21.23	21.14	21.5		
Channel				26715	26865	27015	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.31	24.44	24.36	25.5	0	
5	QPSK	1	12	24.39	24.29	24.15			
5	QPSK	1	24	24.33	24.37	24.24			
5	QPSK	12	0	23.31	23.57	23.47			
5	QPSK	12	7	23.10	23.29	23.16	24.5	1	
5	QPSK	12	13	23.23	23.29	23.16			
5	QPSK	25	0	23.33	23.38	23.31			
5	16QAM	1	0	23.31	23.46	23.26			
5	16QAM	1	12	23.28	23.37	23.26	24.5	1	
5	16QAM	1	24	23.22	23.37	23.21			
5	16QAM	12	0	22.26	22.23	22.19			
5	16QAM	12	7	22.37	22.30	22.22			
5	16QAM	12	13	22.37	22.21	22.05	23.5	2	
5	16QAM	25	0	22.31	22.44	22.38			
5	64QAM	1	0	22.35	22.40	22.25			
5	64QAM	1	12	22.24	22.22	22.21			
5	64QAM	1	24	22.26	22.26	22.12	23.5	2	
5	64QAM	12	0	21.41	21.35	21.33			
5	64QAM	12	7	21.50	21.52	21.45			
5	64QAM	12	13	21.27	21.14	21.34			
5	64QAM	25	0	21.30	21.26	21.11	22.5	3	
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.47	24.33	24.24	25.5	0	
3	QPSK	1	8	24.35	24.27	24.19			
3	QPSK	1	14	24.38	24.19	24.20			
3	QPSK	8	0	23.43	23.41	23.39			
3	QPSK	8	4	23.12	23.34	23.26	24.5	1	
3	QPSK	8	7	23.28	23.30	23.13			
3	QPSK	15	0	23.47	23.55	23.27			
3	16QAM	1	0	23.43	23.23	23.26			
3	16QAM	1	8	23.32	23.35	23.40	24.5	1	
3	16QAM	1	14	23.17	23.51	23.21			
3	16QAM	8	0	22.42	22.32	22.33			
3	16QAM	8	4	22.21	22.16	22.34	23.5	2	
3	16QAM	8	7	22.37	22.28	22.11			
3	16QAM	15	0	22.27	22.38	22.46			
3	64QAM	1	0	22.51	22.62	22.23			
3	64QAM	1	8	22.21	22.34	22.32	23.5	2	
3	64QAM	1	14	22.27	22.44	22.19			
3	64QAM	8	0	21.49	21.36	21.55			
3	64QAM	8	4	21.42	21.35	21.40			
3	64QAM	8	7	21.14	21.07	21.40	22.5	3	
3	64QAM	15	0	21.26	21.29	21.17			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				815.7	831.5	848.3			
1.4	QPSK	1	0	24.31	24.45	24.25	25.5	0	
1.4	QPSK	1	3	24.27	24.22	24.29			
1.4	QPSK	1	5	24.28	24.20	24.20			
1.4	QPSK	3	0	24.13	24.30	24.09			
1.4	QPSK	3	1	24.13	24.08	24.10	24.5	1	
1.4	QPSK	3	3	24.19	23.99	24.09			
1.4	QPSK	6	0	23.34	23.54	23.46			
1.4	16QAM	1	0	23.35	23.29	23.44			
1.4	16QAM	1	3	23.30	23.41	23.35	24.5	1	
1.4	16QAM	1	5	23.30	23.32	23.28			
1.4	16QAM	3	0	23.28	23.11	23.23			
1.4	16QAM	3	1	23.09	23.33	23.31			
1.4	16QAM	3	3	23.28	23.24	23.21	23.5	2	
1.4	16QAM	6	0	22.41	22.48	22.52			
1.4	64QAM	1	0	22.50	22.52	22.22			
1.4	64QAM	1	3	22.11	22.16	22.29			
1.4	64QAM	1	5	22.44	22.24	22.11	23.5	2	
1.4	64QAM	3	0	22.42	22.50	22.23			
1.4	64QAM	3	1	22.08	22.07	22.15			
1.4	64QAM	3	3	22.36	22.09	22.09			
1.4	64QAM	6	0	21.61	21.25	21.09	22.5	3	

Band 38 DS12 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.15	24.20	23.74			
20	QPSK	1	49	23.97	24.19	24.01	24.5	1	
20	QPSK	1	99	24.17	24.02	23.78			
20	QPSK	50	0	23.08	23.36	22.95			
20	QPSK	50	24	23.16	23.14	22.99	24.5	1	
20	QPSK	50	50	23.02	23.08	22.89			
20	QPSK	100	0	22.99	23.23	23.03			
20	16QAM	1	0	23.15	22.94	23.01	24.5	1	
20	16QAM	1	49	23.23	23.21	23.00			
20	16QAM	1	99	23.11	23.04	23.00			
20	16QAM	50	0	22.21	22.10	22.06	23.5	2	
20	16QAM	50	24	22.12	22.07	22.19			
20	16QAM	50	50	22.05	21.98	22.07			
20	16QAM	100	0	22.09	22.10	21.99	23.5	2	
20	64QAM	1	0	21.89	22.11	21.73			
20	64QAM	1	49	21.78	21.97	21.99			
20	64QAM	1	99	22.01	21.75	21.68	22.5	3	
20	64QAM	50	0	21.05	21.19	20.81			
20	64QAM	50	24	21.17	21.14	20.98			
20	64QAM	50	50	21.03	20.97	20.87	22.5	3	
20	64QAM	100	0	21.17	21.13	21.02			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	23.94	23.99	23.73			
15	QPSK	1	37	23.97	23.99	23.84	24.5	1	
15	QPSK	1	74	24.18	23.99	23.81			
15	QPSK	36	0	22.88	23.22	22.90			
15	QPSK	36	20	22.99	23.14	22.97	24.5	1	
15	QPSK	36	39	22.83	22.87	22.84			
15	QPSK	75	0	22.79	23.06	22.96			
15	16QAM	1	0	23.04	22.80	22.80	24.5	1	
15	16QAM	1	37	23.22	23.22	22.97			
15	16QAM	1	74	22.97	23.02	22.79			
15	16QAM	36	0	22.17	21.89	21.97	23.5	2	
15	16QAM	36	20	21.94	21.89	22.14			
15	16QAM	36	39	22.02	21.88	21.94			
15	16QAM	75	0	21.89	21.88	21.96	23.5	2	
15	64QAM	1	0	21.69	21.95	21.75			
15	64QAM	1	37	21.60	21.77	21.98			
15	64QAM	1	74	21.92	21.70	21.59	22.5	3	
15	64QAM	36	0	20.91	21.18	20.71			
15	64QAM	36	20	21.01	20.95	20.99			
15	64QAM	36	39	20.82	20.93	20.77	22.5	3	
15	64QAM	75	0	21.17	20.91	20.93			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.11	24.08	23.66			
10	QPSK	1	25	23.90	24.05	23.81	24.5	1	
10	QPSK	1	49	24.05	23.85	23.79			
10	QPSK	25	0	22.91	23.16	22.87			
10	QPSK	25	12	22.94	23.15	22.96	24.5	1	
10	QPSK	25	25	22.87	22.91	22.69			
10	QPSK	50	0	22.91	23.17	22.99			
10	16QAM	1	0	22.95	22.92	22.81	24.5	1	
10	16QAM	1	25	23.14	23.04	22.80			
10	16QAM	1	49	23.11	23.01	22.82			
10	16QAM	25	0	22.15	22.09	21.84	23.5	2	
10	16QAM	25	12	22.12	21.91	22.05			
10	16QAM	25	25	22.04	21.86	22.06			
10	16QAM	50	0	21.93	22.05	22.00	23.5	2	
10	64QAM	1	0	21.86	22.07	21.58			
10	64QAM	1	25	21.80	21.93	21.97			
10	64QAM	1	49	21.86	21.66	21.58	22.5	3	
10	64QAM	25	0	21.00	21.02	20.82			
10	64QAM	25	12	20.96	21.16	20.95			
10	64QAM	25	25	20.92	20.85	20.75	22.5	3	
10	64QAM	50	0	21.11	20.94	20.85			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	23.97	24.07	23.66			
5	QPSK	1	12	23.88	24.10	23.92	24.5	1	
5	QPSK	1	24	23.81	23.97	23.95			
5	QPSK	12	0	22.99	23.15	22.86			
5	QPSK	12	7	22.99	23.11	22.87	24.5	1	
5	QPSK	12	13	22.89	23.06	22.70			
5	QPSK	25	0	22.86	23.21	22.94			
5	16QAM	1	0	23.15	22.81	22.91	24.5	1	
5	16QAM	1	12	23.16	23.21	22.87			
5	16QAM	1	24	23.11	23.01	22.98			
5	16QAM	12	0	22.16	22.07	21.96	23.5	2	
5	16QAM	12	7	21.90	21.89	22.19			
5	16QAM	12	13	22.03	21.77	21.91			
5	16QAM	25	0	21.90	22.05	21.77	23.5	2	
5	64QAM	1	0	21.86	22.12	21.62			
5	64QAM	1	12	21.77	21.78	21.79			
5	64QAM	1	24	21.98	21.63	21.63	22.5	3	
5	64QAM	12	0	21.05	21.10	20.71			
5	64QAM	12	7	21.01	20.96	20.80			
5	64QAM	12	13	20.88	20.89	20.81	22.5	3	
5	64QAM	25	0	21.09	21.03	21.01			

Band 41 DIS2 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.20	24.17	24.22	24.11	24.05		
20	QPSK	1	49	24.03	24.01	24.19	24.08	23.93	24.5	1
20	QPSK	1	99	24.02	23.84	24.13	24.15	23.90		
20	QPSK	50	0	23.19	23.16	23.40	23.11	23.34		
20	QPSK	50	24	23.26	23.09	23.27	23.10	23.20	24.5	1
20	QPSK	50	50	23.30	23.25	23.36	23.38	23.25		
20	QPSK	100	0	23.20	23.16	23.35	23.22	23.28		
20	16QAM	1	0	23.25	23.19	23.14	23.17	23.21	24.5	1
20	16QAM	1	49	23.31	23.30	23.24	23.13	23.03		
20	16QAM	1	99	23.19	23.05	23.26	23.06	23.11		
20	16QAM	50	0	22.23	22.06	22.21	22.16	22.22	23.5	2
20	16QAM	50	24	22.30	22.17	22.19	22.06	22.14		
20	16QAM	50	50	22.33	22.14	22.25	22.22	22.20		
20	16QAM	100	0	22.25	22.21	22.38	22.02	22.17	23.5	2
20	64QAM	1	0	21.86	21.73	21.99	21.82	21.83		
20	64QAM	1	49	22.03	22.04	21.86	21.98	21.92		
20	64QAM	1	99	21.95	21.89	21.83	21.97	21.90	22.5	3
20	64QAM	50	0	21.22	21.11	21.32	21.25	21.23		
20	64QAM	50	24	21.23	21.14	21.07	21.18	21.28		
20	64QAM	50	50	21.37	21.38	21.12	21.29	21.32	22.5	3
20	64QAM	100	0	21.51	21.55	21.41	21.19	21.26		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.12	24.02	24.20	24.00	23.96		
15	QPSK	1	37	23.96	23.97	24.12	24.15	23.95	24.5	1
15	QPSK	1	74	23.91	23.84	24.10	24.17	23.82		
15	QPSK	38	0	23.30	23.21	23.38	23.04	23.24	24.5	1
15	QPSK	36	20	23.17	23.24	23.23	23.18	23.13		
15	QPSK	36	39	23.24	23.12	23.28	23.35	23.28		
15	QPSK	75	0	23.30	23.19	23.24	23.29	23.18	24.5	1
15	16QAM	1	0	23.21	23.06	23.09	23.21	23.09		
15	16QAM	1	37	23.28	23.18	23.18	23.19	23.11		
15	16QAM	1	74	23.11	23.08	23.33	22.94	23.11	23.5	2
15	16QAM	36	0	22.25	22.13	22.25	22.09	22.16		
15	16QAM	36	20	22.22	22.24	22.15	21.98	22.10		
15	16QAM	36	39	22.37	22.17	22.18	22.10	22.19	23.5	2
15	16QAM	75	0	22.25	22.07	22.47	22.07	22.24		
15	64QAM	1	0	21.81	21.84	21.99	21.89	21.94	23.5	2
15	64QAM	1	37	22.01	21.94	21.73	21.90	22.02		
15	64QAM	1	74	21.99	21.90	21.84	21.88	21.77	22.5	3
15	64QAM	36	0	21.27	21.13	21.40	21.26	21.34		
15	64QAM	36	20	21.25	21.18	21.09	21.19	21.27		
15	64QAM	36	39	21.36	21.28	21.08	21.25	21.20	22.5	3
15	64QAM	75	0	21.51	21.42	21.47	21.22	21.21		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	24.08	24.17	24.14	24.06	24.02		
10	QPSK	1	25	24.00	23.89	24.08	23.96	23.96	24.5	1
10	QPSK	1	49	24.09	24.00	24.10	24.16	23.93		
10	QPSK	25	0	23.12	23.20	23.35	23.18	23.23		
10	QPSK	25	12	23.30	23.27	23.29	23.18	23.18	24.5	1
10	QPSK	25	25	23.23	23.16	23.22	23.34	23.27		
10	QPSK	50	0	23.10	23.15	23.26	23.27	23.24		
10	16QAM	1	0	23.15	23.18	23.08	23.16	23.24	24.5	1
10	16QAM	1	25	23.28	23.31	23.32	23.05	23.05		
10	16QAM	1	49	23.26	23.23	23.27	23.13	23.04		
10	16QAM	25	0	22.19	22.08	22.29	22.26	22.32	23.5	2
10	16QAM	25	12	22.19	22.19	22.20	22.00	22.22		
10	16QAM	25	25	22.39	22.23	22.18	22.24	22.14		
10	16QAM	50	0	22.33	22.16	22.49	21.99	22.22	23.5	2
10	64QAM	1	0	21.74	21.89	21.98	21.82	21.77		
10	64QAM	1	25	21.99	22.01	21.88	21.98	21.97		
10	64QAM	1	49	21.86	21.97	21.73	21.95	21.96	22.5	3
10	64QAM	25	0	21.09	21.10	21.32	21.27	21.21		
10	64QAM	25	12	21.21	21.08	21.00	21.21	21.31		
10	64QAM	25	25	21.33	21.24	21.18	21.39	21.21	22.5	3
10	64QAM	50	0	21.48	21.31	21.30	21.10	21.28		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	23.98	24.18	24.18	24.01	24.01		
5	QPSK	1	12	24.10	24.03	24.08	24.01	23.80	24.5	1
5	QPSK	1	24	24.07	24.05	24.14	24.16	23.89		
5	QPSK	12	0	23.08	23.02	23.36	23.17	23.35		
5	QPSK	12	7	23.25	23.29	23.34	23.01	23.29	24.5	1
5	QPSK	12	13	23.30	23.20	23.35	23.35	23.22		
5	QPSK	25	0	23.14	23.24	23.20	23.31	23.16		
5	16QAM	1	0	23.31	23.06	23.22	23.20	23.30	24.5	1
5	16QAM	1	12	23.39	23.35	23.20	23.17	23.01		
5	16QAM	1	24	23.15	23.10	23.16	23.15	22.98		
5	16QAM	12	0	22.12	22.12	22.32	22.20	22.19	23.5	2
5	16QAM	12	7	22.22	22.14	22.06	22.06	22.08		
5	16QAM	12	13	22.30	22.20	22.15	22.27	22.13		
5	16QAM	25	0	22.13	22.26	22.37	22.02	22.23	23.5	2
5	64QAM	1	0	21.91	21.81	21.89	21.71	21.71		
5	64QAM	1	12	22.04	22.00	21.80	21.89	22.01		
5	64QAM	1	24	22.00	21.89	21.76	21.96	21.98	22.5	3
5	64QAM	12	0	21.30	21.23	21.19	21.24	21.19		
5	64QAM	12	7	21.26	21.11	20.97	21.17	21.16		
5	64QAM	12	13	21.33	21.33	21.03	21.37	21.36	22.5	3
5	64QAM	25	0	21.52	21.39	21.40	21.12	21.33		

GSM850 DS2 Ant2							
GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)		
TX Channel	128	189	251		128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GSM 1 Tx slot	33.07	33.20	33.23	33.50	24.07	24.20	24.23
GPRS 1 Tx slot	33.23	33.30	33.29	33.50	24.23	24.30	24.29
GPRS 2 Tx slots	29.49	29.62	29.45	30.00	23.49	23.62	23.45
GPRS 3 Tx slots	27.69	27.58	27.72	28.50	23.43	23.32	23.46
GPRS 4 Tx slots	26.29	26.39	26.22	27.50	23.29	23.39	23.22
EDGE 1 Tx slot	27.19	27.03	27.15	27.50	18.19	18.03	18.15
EDGE 2 Tx slots	24.38	24.51	24.46	25.00	18.38	18.51	18.46
EDGE 3 Tx slots	22.65	22.61	22.68	23.50	18.38	18.35	18.42
EDGE 4 Tx slots	21.27	21.52	21.42	22.50	18.27	18.52	18.42

		GSM1900 DS2 Ant2							
GSM1900		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	
GSM 1 Tx slot		30.00	30.19	30.30	30.50	21.00	21.19	21.30	21.50
GPRS 1 Tx slot		30.10	30.35	30.33	30.50	21.10	21.35	21.33	21.50
GPRS 2 Tx slots		26.10	26.38	26.22	26.70	20.10	20.38	20.22	20.70
GPRS 3 Tx slots		24.15	24.24	24.45	25.00	19.89	19.98	20.19	20.74
GPRS 4 Tx slots		23.04	23.20	23.49	24.00	20.04	20.20	20.49	21.00
EDGE 1 Tx slot		25.97	26.04	25.98	26.80	16.97	17.04	16.98	17.84
EDGE 2 Tx slots		23.27	23.42	23.65	24.10	17.27	17.42	17.65	18.10
EDGE 3 Tx slots		22.15	22.24	22.05	23.10	17.89	17.98	17.79	18.84
EDGE 4 Tx slots		20.19	20.31	20.51	21.30	17.19	17.31	17.51	18.30

WCDMA II DS2 Ant2				WCDMA IV DS2 Ant2				WCDMA V DS2 Ant2					
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	1537	1638	1738	4357	4407	4458			
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	23.07	23.17	23.08	23.50	23.06	23.09	23.08	23.50	24.53	24.63	24.60	25.50
3GPP Rel 99	RMC 12.2Kbps	23.09	23.18	23.11	23.50	23.08	23.11	23.09	23.50	24.55	24.72	24.70	25.50
3GPP Rel 6	HSDPA Subtest-1	23.03	23.12	22.92	23.50	23.05	23.07	23.06	24.00	23.63	23.85	23.91	24.00
3GPP Rel 6	HSDPA Subtest-2	23.04	23.08	22.93	23.50	23.06	23.05	23.05	24.00	23.60	23.83	23.90	24.00
3GPP Rel 6	HSDPA Subtest-3	22.69	22.64	22.61	23.50	22.83	22.79	22.83	24.00	23.28	23.40	23.40	24.00
3GPP Rel 6	HSDPA Subtest-4	22.73	22.66	22.61	23.50	22.89	22.75	22.94	24.00	23.26	23.30	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.04	23.11	22.96	23.50	23.02	23.09	23.01	24.00	23.67	23.90	23.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	22.97	23.02	23.50	23.04	23.04	23.10	24.00	23.83	23.87	23.85	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.65	22.54	22.48	23.50	22.57	22.58	22.68	24.00	23.32	23.47	23.11	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.69	22.63	22.47	23.50	22.76	22.48	22.54	24.00	23.00	23.33	23.41	24.00
3GPP Rel 6	HSUPA Subtest-1	21.73	21.67	21.64	23.00	21.34	21.37	21.38	23.00	21.64	21.92	21.97	23.00
3GPP Rel 6	HSUPA Subtest-2	21.77	21.62	21.65	23.00	21.13	21.08	21.10	23.00	21.88	21.66	21.72	23.00
3GPP Rel 6	HSUPA Subtest-3	22.21	22.13	21.89	23.00	21.62	21.56	21.34	23.00	22.02	22.05	21.93	23.00
3GPP Rel 6	HSUPA Subtest-4	21.77	21.64	21.71	23.00	21.26	21.33	21.38	23.00	21.82	21.88	21.80	23.00
3GPP Rel 6	HSUPA Subtest-5	21.70	21.59	21.57	23.00	21.29	21.25	21.19	23.00	21.87	21.82	21.83	23.00

Band 2 DS12 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18000	Power Middle Ch. / Freq. 18600	Power High Ch. / Freq. 19000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.40	23.49	23.41			
20	QPSK	1	49	23.21	23.45	23.30	23.5	0	
20	QPSK	1	99	23.36	23.29	23.10			
20	QPSK	50	0	23.32	23.41	23.39			
20	QPSK	50	24	23.06	23.31	23.08	23.5	0	
20	QPSK	50	50	23.28	23.21	23.02			
20	QPSK	100	0	23.34	23.35	23.23			
20	16QAM	1	0	23.40	23.29	23.22			
20	16QAM	1	49	23.01	23.30	23.31	23.5	0	
20	16QAM	1	99	23.27	23.14	23.10			
20	16QAM	50	0	22.48	22.42	22.48			
20	16QAM	50	24	23.20	23.42	23.29			
20	16QAM	50	50	22.43	22.21	22.18	22.5	1	
20	16QAM	100	0	22.41	22.42	22.33			
20	64QAM	1	0	22.48	22.40	22.42			
20	64QAM	1	49	22.20	22.45	22.25	22.5	1	
20	64QAM	1	99	22.39	22.22	22.11			
20	64QAM	50	0	21.40	21.40	21.41			
20	64QAM	50	24	21.38	21.42	21.38			
20	64QAM	50	50	21.16	21.41	21.25	21.5	2	
20	64QAM	100	0	21.29	21.29	21.06			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.28	23.39	23.21			
15	QPSK	1	37	23.15	23.31	23.13	23.5	0	
15	QPSK	1	74	23.14	23.13	23.10			
15	QPSK	36	0	23.20	23.30	23.29			
15	QPSK	36	20	22.87	23.18	23.10	23.5	0	
15	QPSK	36	39	23.07	23.07	22.92			
15	QPSK	75	0	23.23	23.17	23.23			
15	16QAM	1	0	23.30	23.23	23.11			
15	16QAM	1	37	22.92	23.19	23.13	23.5	0	
15	16QAM	1	74	23.26	23.03	22.99			
15	16QAM	36	0	22.41	22.27	22.49			
15	16QAM	36	20	22.04	22.35	22.17	22.5	1	
15	16QAM	36	39	22.25	22.00	22.06			
15	16QAM	75	0	22.25	22.30	22.15			
15	64QAM	1	0	22.48	22.50	22.38			
15	64QAM	1	37	22.19	22.44	22.15	22.5	1	
15	64QAM	1	74	22.19	22.05	22.05			
15	64QAM	36	0	21.48	21.48	21.48			
15	64QAM	36	20	21.31	21.47	21.30	21.5	2	
15	64QAM	36	39	21.05	21.31	21.15			
15	64QAM	75	0	21.00	21.25	21.04			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.31	23.32	23.32			
10	QPSK	1	25	23.04	23.35	23.15	23.5	0	
10	QPSK	1	49	23.15	23.28	23.00			
10	QPSK	25	0	23.26	23.31	23.20			
10	QPSK	25	12	23.02	23.30	22.92	23.5	0	
10	QPSK	25	25	23.08	23.13	22.85			
10	QPSK	50	0	23.26	23.16	23.32			
10	16QAM	1	0	23.24	23.09	23.07			
10	16QAM	1	25	22.90	23.12	23.31	23.5	0	
10	16QAM	1	49	23.26	23.00	23.12			
10	16QAM	25	0	22.47	22.25	22.38			
10	16QAM	25	12	22.15	22.48	22.17	22.5	1	
10	16QAM	25	25	22.37	22.10	22.01			
10	16QAM	50	0	22.42	22.47	22.29			
10	64QAM	1	0	22.46	22.42	22.33			
10	64QAM	1	25	22.06	22.32	22.14	22.5	1	
10	64QAM	1	49	22.27	22.10	22.10			
10	64QAM	25	0	21.44	21.34	21.30			
10	64QAM	25	12	21.38	21.41	21.28	21.5	2	
10	64QAM	25	25	21.08	21.25	21.17			
10	64QAM	50	0	21.20	21.29	21.07			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.34	23.29	23.22			
5	QPSK	1	12	23.12	23.31	23.11	23.5	0	
5	QPSK	1	24	23.34	23.24	23.07			
5	QPSK	12	0	23.28	23.26	23.38			
5	QPSK	12	7	22.98	23.28	22.94	23.5	0	
5	QPSK	12	13	23.17	23.07	22.97			
5	QPSK	25	0	23.17	23.30	23.22			
5	16QAM	1	0	23.32	23.16	23.23			
5	16QAM	1	12	22.92	23.21	23.09	23.5	0	
5	16QAM	1	24	23.27	23.10	23.02			
5	16QAM	12	0	22.50	22.36	22.32			
5	16QAM	12	7	22.05	22.32	22.27	22.5	1	
5	16QAM	12	13	22.26	22.18	22.13			
5	16QAM	25	0	22.31	22.36	22.12			
5	64QAM	1	0	22.47	22.49	22.30			
5	64QAM	1	12	22.14	22.27	22.18	22.5	1	
5	64QAM	1	24	22.20	22.17	22.07			
5	64QAM	12	0	21.45	21.48	21.37			
5	64QAM	12	7	21.38	21.45	21.17	21.5	2	
5	64QAM	12	13	21.12	21.19	21.09			
5	64QAM	25	0	21.26	21.12	20.95			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.31	23.32	23.39			
3	QPSK	1	8	23.17	23.39	23.11	23.5	0	
3	QPSK	1	14	23.34	23.23	22.93			
3	QPSK	8	0	23.15	23.20	23.31			
3	QPSK	8	4	23.02	23.17	23.09	23.5	0	
3	QPSK	8	7	23.21	23.11	22.87			
3	QPSK	15	0	23.15	23.35	23.23			
3	16QAM	1	0	23.34	23.15	23.10			
3	16QAM	1	8	22.97	23.30	23.25	23.5	0	
3	16QAM	1	14	23.26	23.12	23.11			
3	16QAM	8	0	22.45	22.40	22.30			
3	16QAM	8	4	22.21	22.47	22.19	22.5	1	
3	16QAM	8	7	22.37	22.07	22.13			
3	16QAM	15	0	22.38	22.42	22.13			
3	64QAM	1	0	22.38	22.45	22.42			
3	64QAM	1	8	21.99	22.45	22.27	22.5	1	
3	64QAM	1	14	22.25	22.14	21.99			
3	64QAM	8	0	21.49	21.50	21.38			
3	64QAM	8	4	21.27	21.41	21.28	21.5	2	
3	64QAM	8	7	21.01	21.21	21.10			
3	64QAM	15	0	21.15	21.18	21.05			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.46	23.47	23.35			
1.4	QPSK	1	3	22.99	23.41	23.20	23.5	0	
1.4	QPSK	1	5	23.16	23.12	23.02			
1.4	QPSK	3	0	23.24	23.22	23.33			
1.4	QPSK	3	1	23.05	23.17	23.10			
1.4	QPSK	3	3	23.25	23.14	22.99			
1.4	QPSK	6	0	23.20	23.24	23.23	22.5	1	
1.4	16QAM	1	0	23.17	23.12	23.12			
1.4	16QAM	1	3	23.14	23.28	23.24			
1.4	16QAM	1	5	23.28	23.11	23.09	22.5	1	
1.4	16QAM	3	0	23.23	23.03	23.02			
1.4	16QAM	3	1	23.10	23.22	23.06			
1.4	16QAM	3	3	23.11	23.09	23.10			
1.4	16QAM	6	0	22.33	22.40	22.31	21.5	2	
1.4	64QAM	1	0	22.52	22.50	22.32			
1.4	64QAM	1	3	22.06	22.41	22.15			
1.4	64QAM	1	5	22.29	22.29	22.29			
1.4	64QAM	3	0	22.44	22.33	22.12	21.5	2	
1.4	64QAM	3	1	22.02	22.32	22.02			
1.4	64QAM	3	3	22.14	22.27	22.19			
1.4	64QAM	6	0	21.20	21.07	21.03	20.5	3	

Band 4 DS12 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.08	23.21	23.10			
20	QPSK	1	49	22.95	23.12	23.10	24	0	
20	QPSK	1	99	23.13	23.01	22.84			
20	QPSK	50	0	22.92	23.11	22.88			
20	QPSK	50	24	22.80	23.10	23.07	24	0	
20	QPSK	50	50	22.97	23.07	22.89			
20	QPSK	100	0	23.03	23.05	22.65			
20	16QAM	1	0	22.94	23.06	22.93			
20	16QAM	1	49	22.84	23.03	23.01	24	0	
20	16QAM	1	99	23.13	22.87	22.63			
20	16QAM	50	0	22.60	22.87	22.69			
20	16QAM	50	24	22.43	22.64	22.55			
20	16QAM	50	50	22.70	22.59	22.37	23.5	0.5	
20	16QAM	100	0	22.61	22.72	22.57			
20	64QAM	1	0	22.56	22.62	22.64			
20	64QAM	1	49	22.45	22.63	22.64	23.5	0.5	
20	64QAM	1	99	22.70	22.48	22.38			
20	64QAM	50	0	21.80	21.80	21.52			
20	64QAM	50	24	21.48	21.72	21.62	22.5	1.5	
20	64QAM	50	50	21.52	21.80	21.50			
20	64QAM	100	0	21.66	21.55	21.30			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.02	23.07	22.84			
15	QPSK	1	37	22.74	23.17	23.07	24	0	
15	QPSK	1	74	23.06	23.00	22.81			
15	QPSK	36	0	22.78	22.97	22.70			
15	QPSK	36	20	22.67	23.10	22.85	24	0	
15	QPSK	36	39	22.77	22.98	22.90			
15	QPSK	75	0	22.60	22.86	22.60			
15	16QAM	1	0	22.73	23.00	22.89			
15	16QAM	1	37	22.72	22.98	23.01	24	0	
15	16QAM	1	74	22.95	22.85	22.56			
15	16QAM	36	0	22.56	22.58	22.54			
15	16QAM	36	20	22.42	22.65	22.44	23.5	0.5	
15	16QAM	36	39	22.59	22.60	22.68			
15	16QAM	75	0	22.46	22.27	22.46			
15	64QAM	1	0	22.49	22.46	22.46			
15	64QAM	1	37	22.36	22.46	22.46	23.5	0.5	
15	64QAM	1	74	22.50	22.48	22.31			
15	64QAM	36	0	21.62	21.67	21.34			
15	64QAM	36	20	21.29	21.52	21.68	22.5	1.5	
15	64QAM	36	39	21.40	21.46	21.46			
15	64QAM	75	0	21.54	21.41	21.14			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.15	23.22	23.05			
10	QPSK	1	25	22.66	22.91	23.10	24	0	
10	QPSK	1	49	23.11	23.07	22.84			
10	QPSK	25	0	22.79	23.03	22.70			
10	QPSK	25	12	22.80	23.15	22.90	24	0	
10	QPSK	25	25	22.88	23.08	22.83			
10	16QAM	1	0	22.76	22.87	22.59			
10	16QAM	1	25	22.72	22.89	22.81	24	0	
10	16QAM	1	49	22.94	22.88	22.53			
10	16QAM	25	0	22.49	22.45	22.24	23.5	0.5	
10	16QAM	25	12	22.35	22.61	22.49			
10	16QAM	25	25	22.65	22.49	22.30			
10	16QAM	50	0	22.47	22.59	22.56			
10	64QAM	1	0	22.41	22.42	22.62			
10	64QAM	1	25	22.43	22.47	22.65	23.5	0.5	
10	64QAM	1	49	22.57	22.39	22.30			
10	64QAM	25	0	21.67	21.71	21.52			
10	64QAM	25	12	21.43	21.69	21.53	22.5	1.5	
10	64QAM	25	25	21.36	21.41	21.49			
10	64QAM	50	0	21.51	21.41	21.19			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.01	23.03	23.09			
5	QPSK	1	12	22.91	23.09	23.12	24	0	
5	QPSK	1	24	23.15	22.90	22.82			
5	QPSK	12	0	22.79	22.84	22.76			
5	QPSK	12	6	22.75	22.93	23.06	24	0	
5	QPSK	12	13	22.87	22.93	22.86			
5	QPSK	25	0	23.04	22.67	22.57			
5	16QAM	1	0	22.86	23.03	22.79			
5	16QAM	1	12	22.73	23.03	22.85	24	0	
5	16QAM	1	24	23.01	22.84	22.53			
5	16QAM	12	0	22.38	22.38	22.60			
5	16QAM	12	7	22.42	22.66	22.54	23.5	0.5	
5	16QAM	12	13	22.63	22.49	22.38			
5	16QAM	25	0	22.48	22.69	22.50			
5	64QAM	1	0	22.37	22.62	22.58			
5	64QAM	1	12	22.32	22.59	22.50	23.5	0.5	
5	64QAM	1	24	22.64	22.42	22.35			
5	64QAM	12	0	21.52	21.59	21.40			
5	64QAM	12	7	21.29	21.73	21.60	22.5	1.5	
5	64QAM	12	13	21.36	21.42	21.38			
5	64QAM	25	0	21.57	21.50	21.31			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.03	23.15	23.24			
3	QPSK	1	8	22.94	22.96	23.06	24	0	
3	QPSK	1	14	22.98	22.82	22.67			
3	QPSK	8	0	22.92	22.88	22.83			
3	QPSK	8	4	22.69	23.11	22.97	24	0	
3	QPSK	8	7	22.97	23.00	22.91			
3	16QAM	1	0	22.96	22.78	22.58			
3	16QAM	1	7	22.79	22.88	22.73			
3	16QAM	1	8	22.83	22.97	22.99			
3	16QAM	1	14	23.07	22.69	22.60	23.5	0.5	
3	16QAM	8	0	22.47	22.50	22.62			
3	16QAM	8	4	22.28	22.52	22.47			
3	16QAM	8	7	22.51	22.55	22.19	23.5	0.5	
3	16QAM	15	0	22.58	22.62	22.50			
3	64QAM	1	0	22.36	22.63	22.43			
3	64QAM	1	8	22.41	22.60	22.62	23.5	0.5	
3	64QAM	1	14	22.59	22.40	22.33			
3	64QAM	8	0	21.67	21.60	21.39			
3	64QAM	8	7	21.48	21.74	21.44	22.5	1.5	
3	64QAM	8	7	21.43	21.61	21.49			
3	64QAM	15	0	21.45	21.43	21.18			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.97	23.15	22.97			
1.4	QPSK	1	3	22.77	23.08	23.11	24	0	
1.4	QPSK	1	5	22.99	23.07	22.89			
1.4	QPSK	3	0	22.86	23.05	22.72			
1.4	QPSK	3	1	22.79	23.17	22.89			
1.4	QPSK	3	3	22.92	22.88	22.88	23	1	
1.4	QPSK	6	0	22.99	22.75	22.64			
1.4	16QAM	1	0	22.90	23.04	22.86			
1.4	16QAM	1	3	22.85	22.75	23.02	22	2	
1.4	16QAM	1	5	23.04	22.89	22.83			
1.4	16QAM	3	0	22.40	22.56	22.53			
1.4	16QAM	3	1	22.41	22.47	22.55			
1.4	64QAM	1	3	22.66	22.49	22.18			
1.4	64QAM	1	5	22.39	22.37	22.37	22	2	
1.4	64QAM	1	0	22.93	22.44	22.62			
1.4	64QAM	1	3	22.44	22.57	22.59			
1.4	64QAM	1	5	22.55	22.45	22.33	22	2	
1.4	64QAM	3	0	22.48	22.37	22.49			
1.4	64QAM	3	1	22.37	22.40	22.55			
1.4	64QAM	3	3	22.34	22.34	22.24			
1.4	64QAM	8	0	21.97	21.37	21.15	21	3	

Band 7 DS12 Ant2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2050	2100	2150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.08	23.16	23.13	24	0		
20	QPSK	1	49	22.95	23.12	23.09				
20	QPSK	1	99	22.87	22.94	22.91				
20	QPSK	50	0	21.97	22.02	21.94				
20	QPSK	50	24	21.81	21.89	21.88	23	1		
20	QPSK	50	50	21.81	21.98	21.92				
20	QPSK	100	0	21.86	21.99	21.97				
20	16QAM	1	0	21.98	22.13	22.06				
20	16QAM	1	49	21.83	21.96	21.84	23	1		
20	16QAM	1	99	22.01	22.02	21.98				
20	16QAM	50	0	20.90	21.05	21.03				
20	16QAM	50	24	20.89	21.00	21.02				
20	16QAM	50	50	20.95	21.05	21.09	22	2		
20	16QAM	100	0	20.99	21.05	21.05				
20	64QAM	1	0	21.06	20.98	20.96				
20	64QAM	1	49	20.91	20.97	20.84				
20	64QAM	1	99	21.04	20.94	20.89	22	2		
20	64QAM	50	0	19.99	20.03	20.02				
20	64QAM	50	24	19.91	19.96	19.96				
20	64QAM	50	50	19.88	20.01	20.02				
20	64QAM	100	0	19.99	20.04	20.04	21	3		
Channel				20625	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.79	22.98	22.85				
15	QPSK	1	37	22.87	22.82	22.87	24	0		
15	QPSK	1	74	22.79	22.73	22.73				
15	QPSK	36	0	21.84	21.76	21.68				
15	QPSK	36	20	21.53	21.70	21.64				
15	QPSK	36	39	21.50	21.78	21.82	23	1		
15	QPSK	75	0	21.66	21.83	21.87				
15	16QAM	1	0	21.76	21.85	21.93				
15	16QAM	1	37	21.72	21.70	21.68				
15	16QAM	1	74	21.77	21.84	21.75	23	1		
15	16QAM	36	0	20.62	20.78	20.94				
15	16QAM	36	20	20.74	20.70	20.91				
15	16QAM	36	39	20.73	20.96	20.78				
15	16QAM	75	0	20.62	20.86	20.90	22	2		
15	64QAM	1	0	20.80	20.77	20.87				
15	64QAM	1	37	20.67	20.72	20.88				
15	64QAM	1	74	20.81	20.64	20.69				
15	64QAM	36	0	19.88	19.90	19.75	21	3		
15	64QAM	36	20	19.83	19.77	19.78				
15	64QAM	36	39	19.56	19.87	19.79				
15	64QAM	75	0	19.84	19.78	19.86				
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2565				
10	QPSK	1	0	22.83	22.87	22.93	24	0		
10	QPSK	1	25	22.79	22.80	22.90				
10	QPSK	1	49	22.56	22.66	22.62				
10	QPSK	25	0	21.69	21.85	21.74				
10	QPSK	25	12	21.63	21.68	21.76	23	1		
10	QPSK	25	25	21.52	21.75	21.73				
10	QPSK	50	0	21.67	21.87	21.86				
10	16QAM	1	0	21.79	21.83	21.79				
10	16QAM	1	25	21.57	21.72	21.54	23	1		
10	16QAM	1	49	21.82	21.86	21.72				
10	16QAM	25	0	20.69	20.94	20.86				
10	16QAM	25	12	20.60	20.91	20.88				
10	16QAM	25	25	20.85	20.77	20.96	22	2		
10	16QAM	50	0	20.88	20.86	20.82				
10	64QAM	1	0	20.83	20.77	20.66				
10	64QAM	1	25	20.66	20.66	20.61				
10	64QAM	1	49	20.61	20.64	20.74	22	2		
10	64QAM	25	0	19.80	19.83	19.93				
10	64QAM	25	12	19.75	19.80	19.68				
10	64QAM	25	25	19.66	19.77	19.75				
10	64QAM	50	0	19.72	19.74	19.92	21	3		
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.78	22.83	22.78				
5	QPSK	1	12	22.78	22.77	22.88	24	0		
5	QPSK	1	24	22.57	22.70	22.55				
5	QPSK	12	0	21.72	21.84	21.64				
5	QPSK	12	7	21.66	21.71	21.59				
5	QPSK	12	13	21.54	21.81	21.70	23	1		
5	QPSK	25	0	21.58	21.65	21.65				
5	16QAM	1	0	21.70	21.97	21.78				
5	16QAM	1	12	21.58	21.76	21.64				
5	16QAM	1	24	21.85	21.69	21.75	23	1		
5	16QAM	12	0	20.55	20.74	20.70				
5	16QAM	12	7	20.57	20.80	20.83				
5	16QAM	12	13	20.81	20.85	20.73				
5	16QAM	25	0	20.63	20.68	20.85	22	2		
5	64QAM	1	0	20.82	20.83	20.59				
5	64QAM	1	12	20.73	20.66	20.59				
5	64QAM	1	24	20.80	20.64	20.68				
5	64QAM	12	0	19.72	19.88	19.79	21	3		
5	64QAM	12	7	19.67	19.67	19.62				
5	64QAM	12	13	19.61	19.62	19.80				
5	64QAM	25	0	19.72	19.71	19.77				

Band 12 DS12 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23060	23095	23130			
Frequency (MHz)				707.5	707.5	711.1			
10	QPSK	1	0	24.12	24.36	24.28	25.5	0	
10	QPSK	1	25	24.10	24.19	24.10			
10	QPSK	1	49	23.90	24.25	24.03			
10	QPSK	25	0	23.02	23.36	23.15			
10	QPSK	25	12	22.94	23.14	23.13	24.5	1	
10	QPSK	25	25	23.00	23.35	23.07			
10	QPSK	50	0	23.25	23.34	23.17			
10	16QAM	1	0	23.19	23.43	23.23			
10	16QAM	1	25	23.07	23.28	23.21	24.5	1	
10	16QAM	1	49	23.17	23.02	23.16			
10	16QAM	25	0	22.17	22.28	22.18			
10	16QAM	25	12	22.03	22.34	22.08			
10	16QAM	25	25	21.95	22.25	21.99	23.5	2	
10	16QAM	50	0	22.17	22.30	22.10			
10	64QAM	1	0	22.18	22.33	22.22			
10	64QAM	1	25	22.09	22.22	21.95			
10	64QAM	1	49	22.10	22.16	22.04	23.5	2	
10	64QAM	25	0	21.16	21.30	21.07			
10	64QAM	25	12	21.11	21.26	21.18			
10	64QAM	25	25	20.88	21.38	21.01			
10	64QAM	50	0	20.93	21.08	20.94	22.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	23.93	24.32	24.10	25.5	0	
5	QPSK	1	12	23.98	24.02	24.07			
5	QPSK	1	24	24.00	24.09	23.91			
5	QPSK	12	0	23.03	23.17	22.98			
5	QPSK	12	7	22.73	23.11	22.98	24.5	1	
5	QPSK	12	13	22.99	23.14	22.86			
5	QPSK	25	0	23.24	23.17	23.05			
5	16QAM	1	0	23.12	23.23	23.15	24.5	1	
5	16QAM	1	12	22.88	23.24	23.00			
5	16QAM	1	24	23.18	22.96	23.11			
5	16QAM	12	0	22.18	22.27	22.11	23.5	2	
5	16QAM	12	7	21.96	22.22	22.20			
5	16QAM	12	13	21.87	22.20	21.89			
5	16QAM	25	0	22.22	22.22	21.97			
5	64QAM	1	0	21.15	22.24	22.02	23.5	2	
5	64QAM	1	12	21.92	22.05	21.88			
5	64QAM	1	24	21.93	22.06	22.05			
5	64QAM	12	0	20.94	21.10	20.85			
5	64QAM	12	7	21.01	21.21	21.01	22.5	3	
5	64QAM	12	13	20.74	21.21	20.81			
5	64QAM	25	0	20.85	20.96	20.74			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dbm)	MPR (db)	
3	QPSK	1	0	23.94	24.31	24.08	25.5	0	
3	QPSK	1	8	23.91	24.02	23.97			
3	QPSK	1	14	23.81	24.16	24.01			
3	QPSK	8	0	22.83	23.28	23.15			
3	QPSK	8	4	22.88	23.00	23.15	24.5	1	
3	QPSK	8	7	22.93	23.31	22.89			
3	QPSK	15	0	23.16	23.18	23.03			
3	16QAM	1	0	23.02	23.35	23.03	24.5	1	
3	16QAM	1	8	22.92	23.10	23.00			
3	16QAM	1	14	23.01	22.94	22.99			
3	16QAM	8	0	22.05	22.27	22.10			
3	16QAM	8	4	21.86	22.25	22.09	23.5	2	
3	16QAM	8	7	22.00	22.15	21.84			
3	16QAM	15	0	22.14	22.27	21.94			
3	64QAM	1	0	22.05	23.13	22.03	23.5	2	
3	64QAM	1	8	22.09	22.05	21.98			
3	64QAM	1	14	22.02	22.27	22.05			
3	64QAM	8	0	20.95	21.20	21.00			
3	64QAM	8	4	21.12	21.09	20.98	22.5	3	
3	64QAM	8	7	20.82	21.30	20.93			
3	64QAM	15	0	20.87	21.08	20.86			
Channel				23017	23095	23173	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				699.5	707.5	715.3			
1.4	QPSK	1	0	24.04	24.21	24.20	25.5	0	
1.4	QPSK	1	5	23.88	24.12	23.91			
1.4	QPSK	1	5	23.88	24.14	24.10			
1.4	QPSK	3	1	23.70	23.99	23.70			
1.4	QPSK	3	3	23.88	24.16	23.87	24.5	1	
1.4	QPSK	6	0	23.26	23.36	23.14			
1.4	16QAM	1	0	23.03	23.38	23.12			
1.4	16QAM	1	3	23.01	23.20	23.09	24.5	1	
1.4	16QAM	1	5	22.96	22.93	23.07			
1.4	16QAM	3	0	22.85	23.20	23.10			
1.4	16QAM	3	1	22.99	23.11	23.08			
1.4	16QAM	3	3	22.91	23.22	23.02	23.5	2	
1.4	16QAM	6	0	21.14	22.15	22.08			
1.4	64QAM	1	0	22.12	22.26	22.15			
1.4	64QAM	1	3	22.06	22.24	21.78	23.5	2	
1.4	64QAM	1	5	22.11	22.01	21.89			
1.4	64QAM	3	0	22.08	22.09	22.03			
1.4	64QAM	3	1	21.95	22.14	21.82			
1.4	64QAM	3	3	22.08	21.84	21.87	22.5	3	
1.4	64QAM	6	0	20.77	21.10	20.74			

Band 17 DS12 Ant2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23780	23790	23800				
Frequency (MHz)				706.5	710	713.5				
10	QPSK	1	0	24.11	24.23	24.17	25.5	0		
10	QPSK	1	25	24.02	24.19	23.95				
10	QPSK	1	49	24.17	24.22	24.01				
10	QPSK	25	0	23.05	23.34	23.13				
10	QPSK	25	12	23.06	23.03	22.86	24.5	1		
10	QPSK	25	25	23.20	23.11	22.97				
10	QPSK	50	0	23.17	23.32	23.08				
10	16QAM	1	0	23.18	23.23	22.96				
10	16QAM	1	25	23.01	23.03	23.07	24.5	1		
10	16QAM	1	49	23.23	23.30	23.01				
10	16QAM	25	0	22.20	22.18	22.13				
10	16QAM	25	12	22.19	22.03	21.94				
10	16QAM	25	25	22.01	22.21	22.01	23.5	2		
10	16QAM	50	0	22.14	22.19	22.14				
10	64QAM	1	0	22.30	22.21	22.00				
10	64QAM	1	25	22.14	22.07	21.97				
10	64QAM	1	49	22.03	22.11	22.07	23.5	2		
10	64QAM	25	0	21.24	21.24	21.23				
10	64QAM	25	12	21.04	21.17	21.11				
10	64QAM	25	25	20.97	21.09	20.93				
10	64QAM	50	0	20.99	21.38	21.03	22.5	3		
Channel				23755	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.90	24.11	24.15	25.5	0		
5	QPSK	1	12	24.03	24.15	23.84				
5	QPSK	1	24	24.10	24.00	23.92				
5	QPSK	12	0	23.04	23.23	23.00				
5	QPSK	12	7	22.90	23.00	22.77	24.5	1		
5	QPSK	12	13	23.01	23.11	22.96				
5	QPSK	25	0	23.00	23.17	23.00				
5	16QAM	1	0	23.02	23.06	22.93				
5	16QAM	1	12	22.99	22.84	22.99	24.5	1		
5	16QAM	1	24	23.08	23.31	22.91				
5	16QAM	12	0	22.18	22.04	21.93				
5	16QAM	12	7	22.03	22.05	21.78				
5	16QAM	12	13	21.97	21.99	21.90	23.5	2		
5	16QAM	25	0	21.99	22.03	22.02				
5	64QAM	1	0	22.16	22.01	21.95				
5	64QAM	1	12	22.03	21.89	21.79				
5	64QAM	1	24	21.85	22.07	21.88	23.5	2		
5	64QAM	12	0	21.24	21.11	21.18				
5	64QAM	12	7	20.89	21.17	20.90				
5	64QAM	12	13	20.93	21.08	20.82				
5	64QAM	25	0	20.97	21.20	21.02	22.5	3		

Band 26 DS12 Ant2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	24.25	24.27	24.14	25.5	0		
15	QPSK	1	37	24.20	23.97	24.19				
15	QPSK	1	74	24.26	24.22	23.95				
15	QPSK	36	0	23.27	23.37	23.18				
15	QPSK	36	20	23.13	23.11	23.08	24.5	1		
15	QPSK	36	39	23.18	23.19	23.31				
15	QPSK	75	0	23.24	23.26	23.22				
15	16QAM	1	0	23.14	23.19	23.22				
15	16QAM	1	37	23.16	23.25	23.08	24.5	1		
15	16QAM	1	74	22.97	23.30	23.06				
15	16QAM	36	0	22.16	22.19	22.92				
15	16QAM	36	20	22.26	21.93	22.12				
15	16QAM	36	39	22.15	22.05	22.05	23.5	2		
15	16QAM	75	0	22.10	22.35	22.38				
15	64QAM	1	0	22.26	22.40	22.14				
15	64QAM	1	37	21.94	22.07	21.95				
15	64QAM	1	74	22.16	22.17	21.98	23.5	2		
15	64QAM	36	0	21.12	21.13	21.36				
15	64QAM	36	20	21.12	21.14	21.23				
15	64QAM	36	39	21.01	20.98	21.04				
15	64QAM	75	0	21.21	21.12	20.99	22.5	3		
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	24.20	24.17	24.01	25.5	0		
10	QPSK	1	25	24.17	23.85	24.04				
10	QPSK	1	49	24.12	24.07	23.88				
10	QPSK	25	0	23.15	23.19	23.13				
10	QPSK	25	12	23.09	22.92	22.95	24.5	1		
10	QPSK	25	25	23.12	23.00	23.17				
10	16QAM	1	0	23.11	23.21	23.13				
10	16QAM	1	25	23.06	23.21	23.08				
10	16QAM	1	49	22.97	23.16	23.00	24.5	1		
10	16QAM	25	0	22.09	22.03	22.02				
10	16QAM	25	12	22.12	21.78	22.00				
10	16QAM	25	25	22.17	22.06	21.93				
10	16QAM	50	0	22.12	22.21	22.87	23.5	2		
10	64QAM	1	0	22.19	22.23	22.03				
10	64QAM	1	25	21.77	22.00	21.74				
10	64QAM	1	49	21.96	22.03	21.84				
10	64QAM	25	0	21.13	21.04	21.36	23.5	2		
10	64QAM	25	12	20.93	21.07	21.24				
10	64QAM	25	25	20.88	20.94	20.90				
10	64QAM	50	0	20.99	21.11	21.09				
10	64QAM	50	0	20.99	21.11	21.09	22.5	3		
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	24.26	24.26	23.92	25.5	0		
5	QPSK	1	12	24.10	23.84	24.08				
5	QPSK	1	24	24.23	24.05	23.79				
5	QPSK	12	0	23.07	23.21	23.10				
5	QPSK	12	7	23.08	22.94	22.89	24.5	1		
5	QPSK	12	13	23.10	23.00	23.16				
5	QPSK	25	0	23.26	23.09	23.05				
5	16QAM	1	0	23.07	23.06	23.05				
5	16QAM	1	12	23.13	23.19	23.09	24.5	1		
5	16QAM	1	24	22.77	23.15	22.93				
5	16QAM	12	0	22.17	22.20	21.86				
5	16QAM	12	7	22.05	21.76	22.10				
5	16QAM	12	13	22.12	22.03	21.93	23.5	2		
5	16QAM	25	0	21.88	22.30	22.27				
5	64QAM	1	0	22.04	22.30	21.94				
5	64QAM	1	12	21.96	21.84	21.81				
5	64QAM	1	24	22.11	22.35	21.92	23.5	2		
5	64QAM	12	0	21.06	21.02	21.83				
5	64QAM	12	7	21.00	21.06	21.21				
5	64QAM	12	13	20.96	20.93	20.93				
5	64QAM	25	0	21.05	20.98	20.86	22.5	3		
Channel				26705 <th>26865</th> <th>27025</th>	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	24.11	24.25	23.97	25.5	0		
3	QPSK	1	8	24.00	23.99	24.09				
3	QPSK	1	14	24.15	24.14	24.24				
3	QPSK	8	0	23.07	23.22	23.08				
3	QPSK	8	4	23.02	22.98	22.92	24.5	1		
3	QPSK	8	7	22.97	23.03	23.27				
3	QPSK	15	0	23.21	23.05	23.03				
3	16QAM	1	0	23.04	23.00	23.21				
3	16QAM	1	8	23.12	23.05	23.29	24.5	1		
3	16QAM	1	14	22.93	23.14	23.02				
3	16QAM	8	0	22.09	22.20	21.85				
3	16QAM	8	4	22.18	21.75	21.94				
3	16QAM	8	7	22.05	22.04	21.99	23.5	2		
3	16QAM	15	0	22.10	22.29	22.89				
3	64QAM	1	0	22.05	22.32	22.15				
3	64QAM	1	8	21.93	22.04	21.99				
3	64QAM	1	14	22.12	22.07	21.87	23.5	2		
3	64QAM	8	0	20.99	21.11	21.25				
3	64QAM	8	4	20.90	21.03	21.18				
3	64QAM	8	7	20.96	20.82	20.87				
3	64QAM	15	0	21.04	21.10	20.96	22.5	3		
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	24.13	24.15	24.01	25.5	0		
1.4	QPSK	1	3	24.10	23.96	24.18				
1.4	QPSK	1	5	24.07	24.18	23.83				
1.4	QPSK	1	3	24.03	23.75	24.22				
1.4	QPSK	3	0	24.04	24.05	23.79	24.5	1		
1.4	QPSK	6	0	23.19	23.05	23.21				
1.4	16QAM	1	0	22.93	23.06	23.14				
1.4	16QAM	1	3	23.12	23.20	22.97				
1.4	16QAM	1	5	22.96	23.21	22.96	24.5	1		
1.4	16QAM	3	0	22.78	22.95	23.10				
1.4	16QAM	3	1	23.06	23.12	22.78				
1.4	16QAM	3	3	22.87	23.13	22.95				
1.4	16QAM	6	0	21.95	22.30	22.29	23.5	2		
1.4	64QAM	1	0	22.07	22.01	21.96				
1.4	64QAM	1	3	21.80	22.08	21.74				
1.4	64QAM	1	5	22.10	22.17	21.89				
1.4	64QAM	3	0	22.03	21.78	21.90	23.5	2		
1.4	64QAM	3	1	21.77	22.04	21.59				
1.4	64QAM	3	3	21.94	22.08	21.88				
1.4	64QAM	6	0	21.08	21.08	20.82				

Band 38 DS12 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.50	24.64	24.45			
20	QPSK	1	49	24.58	24.58	24.52	24.5	1	
20	QPSK	1	99	24.45	24.39	24.24			
20	QPSK	50	0	23.56	23.72	23.46			
20	QPSK	50	24	23.52	23.43	23.61	24.5	1	
20	QPSK	50	50	23.53	23.70	23.59			
20	QPSK	100	0	23.47	23.65	23.61			
20	16QAM	1	0	23.48	23.54	23.48	24.5	1	
20	16QAM	1	49	23.49	23.57	23.39			
20	16QAM	1	99	23.66	23.41	23.33			
20	16QAM	50	0	22.63	22.57	22.61	23.5	2	
20	16QAM	50	24	22.70	22.56	22.67			
20	16QAM	50	50	22.53	22.66	22.44			
20	16QAM	100	0	22.57	22.50	22.62	23.5	2	
20	64QAM	1	0	22.46	22.35	22.33			
20	64QAM	1	49	22.63	22.45	22.69			
20	64QAM	1	99	22.70	22.37	22.34	22.5	3	
20	64QAM	50	0	21.65	21.39	21.42			
20	64QAM	50	24	21.77	21.81	21.60			
20	64QAM	50	50	21.75	21.64	21.48	22.5	3	
20	64QAM	100	0	21.89	21.77	21.76			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.51	24.62	24.44			
15	QPSK	1	37	24.57	24.39	24.44	24.5	1	
15	QPSK	1	74	24.44	24.37	24.27			
15	QPSK	36	0	23.46	23.55	23.34			
15	QPSK	36	20	23.32	23.42	23.41	24.5	1	
15	QPSK	36	39	23.42	23.56	23.53			
15	QPSK	75	0	23.41	23.55	23.59			
15	16QAM	1	0	23.46	23.40	23.37	24.5	1	
15	16QAM	1	37	23.32	23.36	23.41			
15	16QAM	1	74	23.65	23.42	23.33	23.5	2	
15	16QAM	36	0	22.46	22.54	22.39			
15	16QAM	36	20	22.68	22.55	22.49			
15	16QAM	36	39	22.35	22.55	22.25	23.5	2	
15	16QAM	75	0	22.39	22.32	22.62			
15	64QAM	1	0	22.42	22.29	22.32			
15	64QAM	1	37	22.59	22.45	22.69	23.5	2	
15	64QAM	1	74	22.54	22.36	22.29			
15	64QAM	36	0	21.60	21.25	21.44			
15	64QAM	36	20	21.63	21.74	21.52	22.5	3	
15	64QAM	36	39	21.73	21.59	21.41			
15	64QAM	75	0	21.85	21.57	21.66			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.51	24.42	24.26			
10	QPSK	1	25	24.55	24.48	24.43	24.5	1	
10	QPSK	1	49	24.44	24.35	24.13			
10	QPSK	25	0	23.49	23.52	23.48			
10	QPSK	25	12	23.40	23.26	23.43	24.5	1	
10	QPSK	25	25	23.36	23.53	23.50			
10	QPSK	50	0	23.31	23.56	23.61			
10	16QAM	1	0	23.26	23.47	23.35	24.5	1	
10	16QAM	1	25	23.44	23.37	23.34			
10	16QAM	1	49	23.66	23.27	23.33	23.5	2	
10	16QAM	25	0	22.44	22.42	22.63			
10	16QAM	25	12	22.60	22.54	22.49			
10	16QAM	25	25	22.39	22.63	22.44	23.5	2	
10	16QAM	50	0	22.44	22.29	22.56			
10	64QAM	1	0	22.46	22.33	22.30			
10	64QAM	1	25	22.51	22.42	22.48	23.5	2	
10	64QAM	1	49	22.61	22.32	22.12			
10	64QAM	25	0	21.58	21.24	21.33			
10	64QAM	25	12	21.61	21.73	21.41	22.5	3	
10	64QAM	25	25	21.70	21.62	21.33			
10	64QAM	50	0	21.90	21.60	21.63			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.37	24.47	24.45			
5	QPSK	1	12	24.53	24.53	24.41	24.5	1	
5	QPSK	1	24	24.35	24.34	24.20			
5	QPSK	12	0	23.48	23.67	23.42			
5	QPSK	12	7	23.48	23.23	23.50	24.5	1	
5	QPSK	12	13	23.48	23.71	23.56			
5	QPSK	25	0	23.30	23.56	23.45			
5	16QAM	1	0	23.46	23.44	23.49	24.5	1	
5	16QAM	1	12	23.37	23.39	23.18			
5	16QAM	1	24	23.52	23.39	23.24	23.5	2	
5	16QAM	12	0	22.60	22.36	22.51			
5	16QAM	12	7	22.55	22.38	22.54			
5	16QAM	12	13	22.33	22.63	22.33	23.5	2	
5	16QAM	25	0	22.37	22.40	22.53			
5	64QAM	1	0	22.39	22.15	22.28			
5	64QAM	1	12	22.50	22.45	22.63	23.5	2	
5	64QAM	1	24	22.51	22.18	22.18			
5	64QAM	12	0	21.57	21.37	21.42			
5	64QAM	12	7	21.57	21.82	21.60	22.5	3	
5	64QAM	12	13	21.75	21.55	21.42			
5	64QAM	25	0	21.87	21.72	21.78			

Band 41 DS12 Ant2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680 <th rowspan="2">MPR (dB)</th>		MPR (dB)
20	QPSK	1	0	24.55	24.56	24.70	24.58	24.54	25.5	
20	QPSK	1	49	24.59	24.40	24.66	24.55	24.52		
20	QPSK	1	99	24.45	24.40	24.46	24.49	24.33		
20	QPSK	50	0	23.70	23.71	23.89	23.69	23.65	24.5	1
20	QPSK	50	24	23.55	23.44	23.62	23.64	23.87		
20	QPSK	50	50	23.70	23.60	23.83	23.71	23.82		
20	QPSK	100	0	23.54	23.45	23.73	23.68	23.66	24.5	1
20	16QAM	1	0	23.71	23.66	23.60	23.62	23.60		
20	16QAM	1	49	23.58	23.41	23.69	23.89	23.59		
20	16QAM	1	99	23.55	23.58	23.69	23.48	23.55	23.5	2
20	16QAM	50	0	22.58	22.62	22.85	22.83	22.90		
20	16QAM	50	24	22.59	22.62	22.60	22.77	22.80		
20	16QAM	50	50	22.81	22.62	22.75	22.70	22.81	23.5	2
20	16QAM	100	0	22.78	22.74	22.83	22.90	22.78		
20	64QAM	1	0	22.54	22.53	22.60	22.78	22.54		
20	64QAM	1	49	22.82	22.68	22.73	22.87	22.69	23.5	2
20	64QAM	1	99	22.63	22.63	22.90	22.72	22.58		
20	64QAM	50	0	21.46	21.28	21.63	21.47	21.48		
20	64QAM	50	24	21.41	21.41	21.48	21.57	21.62	22.5	3
20	64QAM	50	50	21.57	21.40	21.52	21.71	21.55		
20	64QAM	100	0	21.62	21.64	21.80	21.75	21.54		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	MPR (dB)	
15	QPSK	1	0	24.39	24.51	24.58	24.40	24.43	25.50	0
15	QPSK	1	37	24.44	24.44	24.67	24.39	24.33		
15	QPSK	1	74	24.40	24.36	24.40	24.33	24.26		
15	QPSK	36	0	23.60	23.67	23.74	23.63	23.48	24.5	1
15	QPSK	36	20	23.57	23.37	23.45	23.65	23.79		
15	QPSK	36	39	23.54	23.58	23.81	23.66	23.62		
15	QPSK	75	0	23.54	23.44	23.56	23.51	23.50	24.5	1
15	16QAM	1	0	23.65	23.65	23.49	23.58	23.47		
15	16QAM	1	37	23.44	23.59	23.48	23.77	23.37		
15	16QAM	1	74	23.40	23.42	23.68	23.31	23.48	23.5	2
15	16QAM	36	0	22.59	22.59	22.65	22.73	22.80		
15	16QAM	36	20	22.39	22.56	22.48	22.69	22.76		
15	16QAM	36	39	22.66	22.83	22.55	22.68	22.64	23.5	2
15	16QAM	75	0	22.78	22.80	22.65	22.74	22.74		
15	64QAM	1	0	22.46	22.45	22.40	22.64	22.46		
15	64QAM	1	37	22.76	22.69	22.58	22.79	22.62	23.5	2
15	64QAM	1	74	22.53	22.59	22.75	22.66	22.57		
15	64QAM	36	0	21.40	21.35	21.53	21.45	21.36		
15	64QAM	36	20	21.25	21.32	21.48	21.57	21.47	22.5	3
15	64QAM	36	39	21.41	21.48	21.52	21.66	21.45		
15	64QAM	75	0	21.63	21.61	21.59	21.67	21.48		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	
Frequency (MHz)				2501	2547	2593	2639	2685	MPR (dB)	
10	QPSK	1	0	24.51	24.49	24.49	24.44	24.46	25.50	0
10	QPSK	1	25	24.54	24.57	24.48	24.55	24.35		
10	QPSK	1	49	24.44	24.43	24.31	24.32	24.26		
10	QPSK	25	0	23.59	23.66	23.79	23.55	23.52	24.5	1
10	QPSK	25	12	23.46	23.49	23.59	23.53	23.70		
10	QPSK	25	25	23.61	23.64	23.75	23.59	23.60		
10	QPSK	50	0	23.37	23.45	23.63	23.50	23.66	24.5	1
10	16QAM	1	0	23.61	23.61	23.42	23.55	23.52		
10	16QAM	1	25	23.55	23.46	23.57	23.77	23.56		
10	16QAM	1	49	23.57	23.50	23.66	23.41	23.50	23.5	2
10	16QAM	25	0	22.51	22.59	22.86	22.80	22.72		
10	16QAM	25	12	22.48	22.47	22.43	22.73	22.65		
10	16QAM	25	25	22.80	22.62	22.61	22.50	22.77	23.5	2
10	16QAM	50	0	22.77	22.75	22.78	22.82	22.61		
10	64QAM	1	0	22.38	22.36	22.47	22.64	22.48		
10	64QAM	1	25	22.74	22.74	22.69	22.80	22.71	23.5	2
10	64QAM	1	49	22.54	22.64	22.69	22.62	22.48		
10	64QAM	25	0	21.35	21.31	21.60	21.30	21.30		
10	64QAM	25	12	21.34	21.45	21.47	21.49	21.56	22.5	3
10	64QAM	25	25	21.54	21.44	21.46	21.54	21.40		
10	64QAM	50	0	21.47	21.50	21.63	21.70	21.38		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	MPR (dB)	
5	QPSK	1	0	24.39	24.58	24.65	24.42	24.39	25.50	0
5	QPSK	1	12	24.54	24.61	24.66	24.34	24.54		
5	QPSK	1	24	24.23	24.32	24.43	24.50	24.21		
5	QPSK	12	0	23.51	23.51	23.85	23.47	23.58	24.5	1
5	QPSK	12	7	23.36	23.52	23.43	23.62	23.72		
5	QPSK	12	13	23.51	23.53	23.65	23.49	23.79		
5	QPSK	25	0	23.52	23.56	23.64	23.56	23.49	24.5	1
5	16QAM	1	0	23.64	23.63	23.53	23.54	23.48		
5	16QAM	1	12	23.49	23.42	23.63	23.86	23.53		
5	16QAM	1	24	23.40	23.36	23.62	23.37	23.54	23.5	2
5	16QAM	12	0	22.57	22.58	22.85	22.74	22.81		
5	16QAM	12	7	22.44	22.54	22.51	22.73	22.68		
5	16QAM	12	13	22.61	22.68	22.72	22.53	22.71	23.5	2
5	16QAM	25	0	22.73	22.82	22.64	22.69	22.79		
5	64QAM	1	0	22.51	22.53	22.40	22.57	22.51		
5	64QAM	1	12	22.80	22.78	22.52	22.73	22.58	22.5	3
5	64QAM	1	24	22.63	22.47	22.80	22.59	22.40		
5	64QAM	12	0	21.27	21.49	21.53	21.31	21.37		
5	64QAM	12	7	21.29	21.27	21.43	21.49	21.49	22.5	3
5	64QAM	12	13	21.53	21.47	21.53	21.62	21.49		
5	64QAM	25	0	21.64	21.59	21.67	21.76	21.45		

Band 2 DS12 Ant4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				16700	16800	16900						
Frequency (MHz)				1660	1680	1690						
20	QPSK	1	0	23.62	23.81	23.77	25.5	0				
20	QPSK	1	49	23.80	23.69	23.56						
20	QPSK	1	99	23.56	23.67	23.74						
20	QPSK	50	0	22.96	23.01	22.76						
20	QPSK	50	24	23.80	22.94	22.74	24.5	1				
20	QPSK	50	50	22.76	22.76	22.79						
20	QPSK	100	0	22.71	22.74	22.53						
20	16QAM	1	0	22.80	22.81	22.71						
20	16QAM	1	49	22.80	22.76	22.75	24.5	1				
20	16QAM	1	99	22.62	22.77	22.82						
20	16QAM	50	0	21.73	21.81	21.67						
20	16QAM	50	24	21.74	21.61	21.55						
20	16QAM	50	50	21.55	21.59	21.69	23.5	2				
20	16QAM	100	0	21.65	21.79	21.79						
20	64QAM	1	0	21.59	21.85	21.75						
20	64QAM	1	49	21.81	21.71	21.63						
20	64QAM	1	99	21.60	21.74	21.64	23.5	2				
20	64QAM	50	0	20.55	20.88	20.80						
20	64QAM	50	24	20.73	20.85	20.83						
20	64QAM	50	50	20.88	20.73	20.80						
20	64QAM	100	0	20.50	20.72	20.84	22.5	3				
Channel				16675	18900	19125			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1657.5	1880	1902.5						
15	QPSK	1	0	23.50	23.71	23.63	25.5	0				
15	QPSK	1	37	23.76	23.66	23.58						
15	QPSK	1	74	23.56	23.62	23.54						
15	QPSK	36	0	22.98	22.94	22.77						
15	QPSK	36	20	22.99	22.87	22.63	24.5	1				
15	QPSK	36	39	22.58	22.70	22.75						
15	QPSK	75	0	22.72	22.66	22.50						
15	16QAM	1	0	22.77	22.79	22.69						
15	16QAM	1	37	22.71	22.71	22.63	24.5	1				
15	16QAM	1	74	22.50	22.70	22.62						
15	16QAM	36	0	21.68	21.62	21.53						
15	16QAM	36	20	21.71	21.51	21.54						
15	16QAM	36	39	21.52	21.53	21.57	23.5	2				
15	16QAM	75	0	21.55	21.75	21.70						
15	64QAM	1	0	21.58	21.66	21.64						
15	64QAM	1	37	21.78	21.68	21.53						
15	64QAM	1	74	21.59	21.53	21.80	23.5	2				
15	64QAM	36	0	20.59	20.74	20.65						
15	64QAM	36	20	20.72	20.84	20.83						
15	64QAM	36	39	20.76	20.73	20.55						
15	64QAM	75	0	20.57	20.51	20.74	22.5	3				
Channel				18650	18900	19150			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905						
10	QPSK	1	0	23.51	23.66	23.59	25.5	0				
10	QPSK	1	25	23.71	23.52	23.50						
10	QPSK	1	49	23.50	23.60	23.69						
10	QPSK	25	0	22.75	23.00	22.76						
10	QPSK	25	12	22.84	22.95	22.69	24.5	1				
10	QPSK	25	25	22.66	22.66	22.74						
10	QPSK	50	0	22.58	22.64	22.54						
10	16QAM	1	0	22.69	22.64	22.67						
10	16QAM	1	25	22.59	22.59	22.75	24.5	1				
10	16QAM	1	49	22.58	22.70	22.50						
10	16QAM	25	0	21.55	21.72	21.50						
10	16QAM	25	12	21.60	21.60	21.51						
10	16QAM	25	25	21.55	21.59	21.70	23.5	2				
10	16QAM	50	0	21.56	21.66	21.73						
10	64QAM	1	0	21.59	21.77	21.71						
10	64QAM	1	25	21.74	21.53	21.51						
10	64QAM	1	49	21.53	21.72	21.60	23.5	2				
10	64QAM	25	0	20.50	20.82	20.67						
10	64QAM	25	12	20.57	20.85	20.85						
10	64QAM	25	25	20.77	20.67	20.52						
10	64QAM	50	0	20.50	20.64	20.67	22.5	3				
Channel				18625	18900	19175			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5						
5	QPSK	1	0	23.56	23.73	23.62	25.5	0				
5	QPSK	1	12	23.66	23.70	23.57						
5	QPSK	1	24	23.58	23.50	23.53						
5	QPSK	12	0	22.75	22.88	22.65						
5	QPSK	12	7	22.93	22.89	22.75	24.5	1				
5	QPSK	12	13	22.62	22.70	22.57						
5	QPSK	25	0	22.63	22.69	22.58						
5	16QAM	1	0	22.63	22.63	22.54						
5	16QAM	1	12	22.60	22.63	22.66	24.5	1				
5	16QAM	1	24	22.52	22.68	22.56						
5	16QAM	12	0	21.73	21.65	21.52						
5	16QAM	12	7	21.73	21.50	21.59						
5	16QAM	12	13	21.50	21.55	21.54	23.5	2				
5	16QAM	25	0	21.55	21.65	21.73						
5	64QAM	1	0	21.61	21.71	21.68						
5	64QAM	1	12	21.81	21.51	21.58						
5	64QAM	1	24	21.59	21.66	21.55	23.5	2				
5	64QAM	12	0	20.52	20.82	20.69						
5	64QAM	12	7	20.52	20.82	20.74						
5	64QAM	12	13	20.76	20.52	20.59						
5	64QAM	25	0	20.51	20.57	20.77	22.5	3				
Channel				18615	18900	19185			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5						
3	QPSK	1	0	23.59	23.78	23.65	25.5	0				
3	QPSK	1	8	23.66	23.66	23.50						
3	QPSK	1	14	23.66	23.58	23.59						
3	QPSK	8	0	22.82	22.85	22.66						
3	QPSK	8	4	22.94	22.95	22.63	24.5	1				
3	QPSK	8	7	22.69	22.78	22.69						
3	QPSK	15	0	22.53	22.62	22.51						
3	16QAM	1	0	22.72	22.74	22.64						
3	16QAM	1	8	22.82	22.72	22.68	24.5	1				
3	16QAM	1	14	22.59	22.61	22.51						
3	16QAM	8	0	21.70	21.76	21.58						
3	16QAM	8	4	21.73	21.50	21.58						
3	16QAM	8	7	21.53	21.58	21.59	23.5	2				
3	16QAM	15	0	21.65	21.79	21.80						
3	64QAM	1	0	21.50	21.80	21.63						
3	64QAM	1	8	21.76	21.59	21.63						
3	64QAM	1	14	21.59	21.57	21.55	23.5	2				
3	64QAM	8	0	20.54	20.81	20.74						
3	64QAM	8	4	20.66	20.79	20.67						
3	64QAM	8	7	20.67	20.72	20.52						
3	64QAM	15	0	20.58	20.55	20.69	22.5	3				
Channel				18607	18900	19193			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18507	1880	1909.3						
1.4	QPSK	1	0	23.59	23.77	23.73	25.5	0				
1.4	QPSK	1	3	23.71	23.63	23.53						
1.4	QPSK	1	5	23.55	23.57	23.63						
1.4	QPSK	3	0	22.96	23.74	23.73						
1.4	QPSK	3	3	23.53	23.52	23.54	24.5	1				
1.4	QPSK	6	0	22.87	22.86	22.68						
1.4	16QAM	1	0	22.81	22.77	22.59						
1.4	16QAM	1	3	22.65	22.75	22.67						
1.4	16QAM	1	5	22.84	22.71	22.73	24.5	1				
1.4	16QAM	3	0	22.62	22.60	22.56						
1.4	16QAM	3	1	22.60	22.59	22.56						
1.4	16QAM	3	2	22.56	22.56	22.59						
1.4	64QAM	1	0	21.50	21.65	21.70	23.5	2				
1.4	64QAM	1	3	21.64	21.50	21.55						
1.4	64QAM	1	5	21.50	21.64	21.66						
1.4	64QAM	3	0	21.59	21.56	21.70						
1.4	64QAM	3	1	21.58	21.50	21.62	23.5	2				
1.4	64QAM	3	3	21.68	21.57	21.81						
1.4	64QAM	6	0	20.56	20.68	20.86						
1.4	64QAM	6	0	20.56	20.68	20.86						

GSM850 DS4 Ant1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.18	33.25	33.33	33.50	24.18	24.25	24.33	24.50
GPRS 1 Tx slot	33.09	33.37	33.25	33.50	24.09	24.37	24.25	24.50
GPRS 2 Tx slots	29.98	29.98	29.75	30.00	23.98	23.98	23.75	24.00
GPRS 3 Tx slots	28.11	28.43	28.08	28.50	23.85	24.17	23.82	24.24
GPRS 4 Tx slots	26.84	27.06	26.95	27.50	23.84	24.06	23.95	24.50
EDGE 1 Tx slot	27.37	27.37	27.10	27.50	18.37	18.37	18.10	18.50
EDGE 2 Tx slots	24.58	24.72	24.49	25.00	18.58	18.72	18.49	19.00
EDGE 3 Tx slots	22.82	22.86	22.98	23.50	18.56	18.60	18.72	19.24
EDGE 4 Tx slots	21.76	21.80	21.76	22.50	18.76	18.80	18.76	19.50

GSM1900 DS4 Ant1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.17	27.15	27.45	28.00	18.17	18.15	18.45	19.00
GPRS 1 Tx slot	27.36	27.32	27.37	28.00	18.36	18.52	18.37	19.00
GPRS 2 Tx slots	24.36	24.24	24.54	25.00	18.36	18.24	18.54	18.80
GPRS 3 Tx slots	22.14	21.98	22.37	23.00	17.88	17.72	18.11	18.74
GPRS 4 Tx slots	20.39	20.66	20.79	21.50	17.39	17.66	17.79	18.50
EDGE 1 Tx slot	25.72	25.77	26.06	26.80	16.72	16.77	17.06	17.80
EDGE 2 Tx slots	23.31	23.27	23.32	24.10	17.31	17.27	17.32	18.10
EDGE 3 Tx slots	22.11	22.10	22.34	23.00	17.85	17.84	18.08	18.74
EDGE 4 Tx slots	20.34	20.46	20.44	21.30	17.34	17.46	17.44	18.30

WCDMA II DS4 Ant1

WCDMA IV DS4 Ant1

WCDMA V DS4 Ant1

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	19.89	19.97	19.93	21.50	19.93	20.08	20.05	21.50	24.51	24.50	24.37	25.50
3GPP Rel 99	RMC 12.2kbps	19.93	20.12	19.94	21.50	19.96	20.20	20.04	21.50	24.50	24.53	24.49	25.50
3GPP Rel 6	HSDPA Subtest-1	19.86	19.95	19.85	21.50	19.88	19.99	19.85	21.50	23.50	23.39	23.44	24.00
3GPP Rel 6	HSDPA Subtest-2	19.91	20.10	19.80	21.50	19.90	20.04	20.04	21.50	23.27	23.43	23.24	24.00
3GPP Rel 6	HSDPA Subtest-3	19.74	20.07	19.82	21.50	19.90	20.14	20.01	21.50	22.97	22.74	22.81	24.00
3GPP Rel 6	HSDPA Subtest-4	19.82	19.90	19.91	21.50	19.79	20.16	19.98	21.50	22.76	22.97	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.87	19.93	19.72	21.50	19.75	20.18	20.04	21.50	23.38	23.27	23.32	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.74	19.94	19.89	21.50	19.84	20.05	19.92	21.50	23.35	23.29	23.17	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.88	19.97	19.77	21.50	19.80	20.06	19.84	21.50	22.87	22.77	22.76	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.73	19.90	19.80	21.50	19.85	20.17	19.91	21.50	22.98	22.88	22.75	24.00
3GPP Rel 6	HSUPA Subtest-1	19.86	19.89	19.77	21.50	19.82	19.99	20.01	21.50	22.93	22.89	22.88	23.00
3GPP Rel 6	HSUPA Subtest-2	19.75	19.91	19.80	21.50	19.92	20.18	20.00	21.50	21.26	21.16	21.29	23.00
3GPP Rel 6	HSUPA Subtest-3	19.92	19.93	19.74	21.50	19.77	20.13	20.02	21.50	22.19	22.24	22.36	23.00
3GPP Rel 6	HSUPA Subtest-4	19.78	19.90	19.80	21.50	19.82	20.13	19.94	21.50	21.17	21.23	21.25	23.00
3GPP Rel 6	HSUPA Subtest-5	19.72	19.89	19.96	21.50	19.91	20.13	19.94	21.50	22.97	23.00	22.84	23.00

Band 2 DS14 Ant1												
BW (MHz)	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	19.83	19.87	19.95			21.5	0		
20	QPSK	1	49	19.63	19.80	19.71						
20	QPSK	1	99	19.87	19.79	19.77						
20	QPSK	50	0	19.72	19.83	19.95			21.5	0		
20	QPSK	50	24	19.59	19.70	19.82						
20	QPSK	50	50	19.67	19.86	19.77						
20	QPSK	100	0	19.78	19.94	19.88			21.5	0		
20	16QAM	1	0	19.53	19.63	19.57						
20	16QAM	1	49	19.84	19.71	19.78						
20	16QAM	1	99	19.72	19.88	19.94			21.5	0		
20	16QAM	50	0	19.55	19.69	19.64						
20	16QAM	50	24	19.82	19.55	19.69						
20	16QAM	50	50	19.79	19.87	19.79			21.5	0		
20	16QAM	100	0	19.52	19.81	19.66						
20	64QAM	1	0	19.70	20.02	20.79						
20	64QAM	1	49	19.61	19.63	19.63			21.5	0		
20	64QAM	1	99	19.82	19.71	19.64						
20	64QAM	50	0	19.87	19.58	19.70						
20	64QAM	50	24	19.76	20.00	19.82			21.5	0		
20	64QAM	50	50	19.56	19.59	19.67						
20	64QAM	100	0	19.83	19.78	19.57						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.75	19.90	19.92			21.5	0		
15	QPSK	1	0	19.73	19.89	19.84						
15	QPSK	1	37	19.57	19.62	19.64						
15	QPSK	1	74	19.70	19.58	19.68			21.5	0		
15	QPSK	36	0	19.53	19.87	19.87						
15	QPSK	36	20	19.66	19.55	19.59						
15	QPSK	36	39	19.65	19.55	19.59			21.5	0		
15	QPSK	75	0	19.61	19.79	19.74						
15	16QAM	1	0	19.59	19.63	19.62						
15	16QAM	1	37	19.77	19.56	19.74			21.5	0		
15	16QAM	1	74	19.63	19.79	19.87						
15	16QAM	36	0	19.60	19.56	19.54						
15	16QAM	36	20	19.61	19.54	19.62			21.5	0		
15	16QAM	36	39	19.72	19.67	19.63						
15	16QAM	75	0	19.73	19.71	19.54						
15	64QAM	1	0	19.69	19.56	19.74			21.5	0		
15	64QAM	1	37	19.54	19.50	19.60						
15	64QAM	1	74	19.68	19.56	19.53						
15	64QAM	36	0	19.74	19.73	19.70			21.5	0		
15	64QAM	36	20	19.71	19.79	19.81						
15	64QAM	36	39	19.53	19.71	19.53						
15	64QAM	75	0	19.68	19.72	19.57			21.5	0		
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.83	20.02	20.78			21.5	0		
10	QPSK	1	25	19.53	19.70	19.73						
10	QPSK	1	49	19.81	19.78	19.61						
10	QPSK	25	0	19.74	19.71	19.51			21.5	0		
10	QPSK	25	12	19.66	19.53	19.65						
10	QPSK	25	25	19.67	19.50	19.57						
10	QPSK	50	0	19.69	19.81	19.83			21.5	0		
10	16QAM	1	0	19.69	19.71	19.68						
10	16QAM	1	25	19.77	19.59	19.57						
10	16QAM	1	49	19.56	19.85	19.74			21.5	0		
10	16QAM	25	0	19.52	19.55	19.58						
10	16QAM	25	12	19.79	19.57	19.68						
10	16QAM	25	25	19.66	19.72	19.67			21.5	0		
10	16QAM	50	0	19.70	19.67	19.66						
10	64QAM	1	0	19.62	19.93	19.66						
10	64QAM	1	25	19.63	19.69	19.71			21.5	0		
10	64QAM	1	49	19.78	19.71	19.58						
10	64QAM	25	0	19.86	19.63	19.80						
10	64QAM	25	12	19.59	19.89	19.67			21.5	0		
10	64QAM	25	25	19.58	19.53	19.56						
10	64QAM	50	0	19.70	19.62	19.69						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.68	20.01	20.79			21.5	0		
5	QPSK	1	12	19.64	19.75	19.65						
5	QPSK	1	24	19.73	19.75	19.74						
5	QPSK	12	0	19.74	19.73	19.86			21.5	0		
5	QPSK	12	7	19.54	19.64	19.62						
5	QPSK	12	13	19.54	19.50	19.70						
5	QPSK	25	0	19.61	19.75	19.75			21.5	0		
5	QPSK	25	1	19.54	19.62	19.65						
5	16QAM	1	12	19.81	19.71	19.53						
5	16QAM	1	24	19.59	19.85	19.82			21.5	0		
5	16QAM	12	0	19.70	19.53	19.71						
5	16QAM	12	7	19.69	19.56	19.60						
5	16QAM	12	13	19.69	19.86	19.80			21.5	0		
5	16QAM	25	0	19.62	19.74	19.64						
5	64QAM	1	0	19.62	19.65	19.69						
5	64QAM	1	12	19.58	19.66	19.69			21.5	0		
5	64QAM	1	24	19.65	19.66	19.64						
5	64QAM	12	0	19.70	19.50	19.67						
5	64QAM	12	7	19.55	19.85	19.69			21.5	0		
5	64QAM	12	13	19.71	19.54	19.62						
5	64QAM	25	0	19.84	19.57	19.52						
Channel												
Frequency (MHz)												
3	QPSK	1	0	19.85	19.89	19.96			21.5	0		
3	QPSK	1	8	19.51	19.69	19.72						
3	QPSK	1	14	19.81	19.73	19.58						
3	QPSK	8	0	19.69	19.84	19.89			21.5	0		
3	QPSK	8	4	19.60	19.60	19.56						
3	QPSK	8	7	19.65	19.66	19.55						
3	QPSK	15	0	19.58	19.84	19.89			21.5	0		
3	16QAM	1	0	19.51	19.62	19.51						
3	16QAM	1	8	19.67	19.55	19.66						
3	16QAM	1	14	19.64	19.79	19.74			21.5	0		
3	16QAM	8	0	19.60	19.63	19.61						
3	16QAM	8	4	19.66	19.51	19.50						
3	16QAM	8	7	19.68	19.68	19.69			21.5	0		
3	16QAM	15	0	19.61	19.65	19.57						
3	64QAM	1	0	19.53	19.82	19.74						
3	64QAM	1	8	19.50	19.58	19.50			21.5	0		
3	64QAM	1	14	19.62	19.72	19.51						
3	64QAM	8	0	19.82	19.59	19.64						
3	64QAM	8	4	19.60	19.80	19.73			21.5	0		
3	64QAM	8	7	19.51	19.57	19.66						
3	64QAM	15	0	19.85	19.60	19.57						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	19.82	19.70	19.84			21.5	0		
1.4	QPSK	1	3	19.70	19.80	19.57						
1.4	QPSK	1	5	19.77	19.79	19.75						
1.4	QPSK	3	0	19.66	19.70	19.88			21.5	0		
1.4	QPSK	3	1	19.63	19.63	19.63						
1.4	QPSK	3	3	19.51	19.64	19.63						
1.4	QPSK	6	0	19.61	19.53	19.69			21.5	0		
1.4	16QAM	1	0	19.67	19.59	19.60						
1.4	16QAM	1	3	19.78	19.67	19.71						
1.4	16QAM	1	5	19.73	19.81	19.95			21.5	0		
1.4	16QAM	3	0	19.50	19.64	19.53						
1.4	16QAM	3	1	19.70	19.62	19.63						
1.4	16QAM	3	3	19.59	19.76	19.78			21.5	0		
1.4	16QAM	6	0	19.67	19.76	19.66						
1.4	64QAM	1	0	19.57	19.85	19.68						
1.4	64QAM	1	3	19.60	19.58	19.66			21.5	0		
1.4	64QAM	1	5	19.74	19.58	19.56						
1.4	64QAM	3	0	19.62	19.54	19.71						
1.4	64QAM	3	1	19.70	19.70	19.74			21.5	0		
1.4	64QAM	3	3	19.64	19.80	19.55						
1.4	64QAM	6	0	19.74	19.80	19.69						

Band 7 DS14 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2507.5	2535	2560					
20	QPSK	1	0	17.75	17.77	17.73	18.5	0			
20	QPSK	1	49	17.69	17.73	17.69					
20	QPSK	1	99	17.67	17.69	17.66					
20	QPSK	50	0	17.65	17.68	17.65	18.5	0			
20	QPSK	50	24	17.59	17.63	17.61					
20	QPSK	50	50	17.56	17.59	17.54					
20	QPSK	100	0	17.54	17.56	17.54	18.5	0			
20	16QAM	1	0	17.73	17.76	17.73					
20	16QAM	1	49	17.71	17.75	17.70					
20	16QAM	1	99	17.67	17.71	17.67	18.5	0			
20	16QAM	50	0	17.66	17.68	17.64					
20	16QAM	50	24	17.62	17.64	17.62					
20	16QAM	50	50	17.58	17.59	17.58	18.5	0			
20	16QAM	100	0	17.53	17.56	17.51					
20	64QAM	1	0	17.71	17.76	17.73					
20	64QAM	1	49	17.72	17.74	17.69	18.5	0			
20	64QAM	1	99	17.71	17.73	17.69					
20	64QAM	50	0	17.69	17.72	17.71					
20	64QAM	50	24	17.65	17.69	17.68	18.5	0			
20	64QAM	50	50	17.63	17.66	17.62					
20	64QAM	100	0	17.57	17.62	17.59					
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	17.71	17.72	17.68	18.5	0			
15	QPSK	1	37	17.66	17.72	17.67					
15	QPSK	1	74	17.66	17.65	17.62					
15	QPSK	36	0	17.61	17.64	17.61	18.5	0			
15	QPSK	36	20	17.55	17.62	17.57					
15	QPSK	36	39	17.54	17.57	17.49					
15	QPSK	75	0	17.49	17.54	17.49	18.5	0			
15	16QAM	1	0	17.69	17.72	17.71					
15	16QAM	1	37	17.67	17.73	17.68					
15	16QAM	1	74	17.63	17.68	17.65	18.5	0			
15	16QAM	36	0	17.65	17.66	17.61					
15	16QAM	36	20	17.59	17.60	17.59					
15	16QAM	36	39	17.55	17.58	17.55	18.5	0			
15	16QAM	75	0	17.49	17.52	17.50					
15	64QAM	1	0	17.70	17.74	17.71					
15	64QAM	1	37	17.69	17.69	17.65	18.5	0			
15	64QAM	1	74	17.69	17.69	17.65					
15	64QAM	36	0	17.66	17.68	17.68					
15	64QAM	36	20	17.62	17.65	17.63	18.5	0			
15	64QAM	36	39	17.61	17.62	17.57					
15	64QAM	75	0	17.54	17.61	17.57					
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	17.68	17.69	17.65	18.5	0			
10	QPSK	1	25	17.62	17.69	17.62					
10	QPSK	1	49	17.62	17.64	17.59					
10	QPSK	25	0	17.59	17.62	17.58	18.5	0			
10	QPSK	25	12	17.51	17.58	17.54					
10	QPSK	25	25	17.50	17.55	17.47					
10	QPSK	50	0	17.48	17.50	17.47	18.5	0			
10	16QAM	1	0	17.67	17.68	17.69					
10	16QAM	1	25	17.62	17.69	17.63					
10	16QAM	1	49	17.60	17.64	17.62	18.5	0			
10	16QAM	25	0	17.60	17.62	17.58					
10	16QAM	25	12	17.58	17.56	17.55					
10	16QAM	25	25	17.51	17.55	17.51	18.5	0			
10	16QAM	50	0	17.46	17.50	17.47					
10	64QAM	1	0	17.68	17.70	17.69					
10	64QAM	1	25	17.66	17.68	17.62	18.5	0			
10	64QAM	1	49	17.66	17.65	17.61					
10	64QAM	25	0	17.63	17.67	17.67					
10	64QAM	25	12	17.59	17.63	17.61	18.5	0			
10	64QAM	25	25	17.57	17.59	17.54					
10	64QAM	50	0	17.53	17.58	17.53					
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2538	2567.5					
5	QPSK	1	0	17.64	17.67	17.62	18.5	0			
5	QPSK	1	12	17.57	17.64	17.61					
5	QPSK	1	24	17.57	17.63	17.55					
5	QPSK	12	0	17.55	17.61	17.54	18.5	0			
5	QPSK	12	7	17.47	17.54	17.51					
5	QPSK	12	13	17.46	17.51	17.44					
5	QPSK	25	0	17.46	17.47	17.46	18.5	0			
5	16QAM	1	0	17.65	17.65	17.67					
5	16QAM	1	12	17.57	17.68	17.60					
5	16QAM	1	24	17.55	17.61	17.60	18.5	0			
5	16QAM	12	0	17.58	17.61	17.54					
5	16QAM	12	7	17.56	17.52	17.51					
5	16QAM	12	13	17.47	17.51	17.49	18.5	0			
5	16QAM	25	0	17.42	17.46	17.43					
5	64QAM	1	0	17.65	17.67	17.64					
5	64QAM	1	12	17.63	17.65	17.58	18.5	0			
5	64QAM	1	24	17.65	17.61	17.59					
5	64QAM	12	0	17.58	17.65	17.63					
5	64QAM	12	7	17.57	17.60	17.58	18.5	0			
5	64QAM	12	13	17.54	17.54	17.50					
5	64QAM	25	0	17.50	17.56	17.52					

Band 12 DS14 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23060	23095	23130					
Frequency (MHz)				707.5	707.5	711.1					
10	QPSK	1	0	22.32	22.69	22.43	24	0			
10	QPSK	1	25	22.23	22.67	22.27					
10	QPSK	1	49	22.35	22.27	22.29					
10	QPSK	25	0	22.41	22.55	22.40	24	0			
10	QPSK	25	12	22.34	22.45	22.13					
10	QPSK	25	25	22.24	22.22	22.45					
10	QPSK	50	0	22.27	22.57	22.22	24	0			
10	16QAM	1	0	22.39	22.50	22.24					
10	16QAM	1	25	22.30	22.54	22.08					
10	16QAM	1	49	22.16	22.35	22.36	23.5	0.5			
10	16QAM	25	0	21.79	21.78	21.67					
10	16QAM	25	12	21.85	21.98	21.67					
10	16QAM	25	25	21.60	21.94	21.59	23.5	0.5			
10	64QAM	50	0	21.75	21.76	21.67					
10	64QAM	1	0	21.63	21.97	21.67					
10	64QAM	1	25	21.71	21.63	21.61	23.5	0.5			
10	64QAM	1	49	21.61	21.66	21.53					
10	64QAM	25	0	20.68	20.95	20.67	22.5	1.5			
10	64QAM	25	12	20.64	20.91	20.95					
10	64QAM	25	25	20.63	20.86	20.58					
10	64QAM	50	0	20.63	20.72	20.53					
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				707.5	707.5	713.5					
5	QPSK	1	0	22.13	22.59	22.24	24	0			
5	QPSK	1	25	22.22	22.59	22.21					
5	QPSK	1	24	22.24	22.28	22.26					
5	QPSK	12	0	22.20	22.42	22.31	24	0			
5	QPSK	12	7	22.08	22.43	22.36					
5	QPSK	12	13	22.13	22.03	22.41					
5	QPSK	25	0	22.24	22.38	22.22	24	0			
5	16QAM	1	0	22.20	22.38	22.26					
5	16QAM	1	12	22.30	22.43	22.30					
5	16QAM	1	24	22.08	22.31	22.23	23.5	0.5			
5	16QAM	12	0	21.75	21.67	21.59					
5	16QAM	12	7	21.70	21.84	21.59					
5	16QAM	12	13	21.52	21.90	21.55	23.5	0.5			
5	16QAM	25	0	21.75	21.74	21.52					
5	64QAM	1	0	21.62	21.92	21.51					
5	64QAM	1	12	21.50	21.57	21.51	22.5	1.5			
5	64QAM	1	24	21.52	21.54	21.59					
5	64QAM	12	0	20.53	20.86	20.53					
5	64QAM	12	7	20.58	20.75	20.82	22.5	1.5			
5	64QAM	12	13	20.52	20.85	20.52					
5	64QAM	25	0	20.57	20.68	20.51					
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	22.31	22.44	22.42	24	0			
3	QPSK	1	8	22.12	22.60	22.16					
3	QPSK	1	14	22.24	22.49	22.19					
3	QPSK	8	0	22.36	22.48	22.32	24	0			
3	QPSK	8	4	22.14	22.34	22.05					
3	QPSK	8	7	22.07	22.06	22.27					
3	QPSK	15	0	22.11	22.55	22.22	24	0			
3	16QAM	1	0	22.39	22.35	22.08					
3	16QAM	1	8	22.21	22.46	22.03					
3	16QAM	1	14	22.01	22.35	22.16	23.5	0.5			
3	16QAM	8	0	21.57	21.71	21.62					
3	16QAM	8	4	21.66	21.89	21.56					
3	16QAM	8	7	21.54	21.85	21.55	22.5	1.5			
3	16QAM	15	0	21.68	21.74	21.55					
3	64QAM	1	0	21.56	21.83	21.58					
3	64QAM	1	0	21.51	21.58	21.52	23.5	0.5			
3	64QAM	1	14	21.57	21.53	21.55					
3	64QAM	8	0	20.60	20.85	20.50					
3	64QAM	8	4	20.59	20.90	20.82	22.5	1.5			
3	64QAM	8	7	20.51	20.78	20.70					
3	64QAM	15	0	20.54	20.71	20.77					
Channel				23017	23095	23177	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				699.5	707.5	715.5					
1.4	QPSK	1	0	22.30	22.51	22.29	24	0			
1.4	QPSK	1	5	22.32	22.17	22.19					
1.4	QPSK	3	0	22.22	22.36	22.35					
1.4	QPSK	3	1	22.11	22.28	22.13	24	0			
1.4	QPSK	3	3	22.24	22.02	22.46					
1.4	QPSK	6	0	22.16	22.31	21.62					
1.4	16QAM	1	0	22.38	22.33	22.11	24	0			
1.4	16QAM	1	3	22.18	22.48	22.30					
1.4	16QAM	1	5	22.13	22.19	22.17					
1.4	16QAM	3	0	22.36	22.27	22.05	23.5	0.5			
1.4	16QAM	3	1	22.15	22.40	22.30					
1.4	16QAM	3	2	22.00	22.30	22.05					
1.4	16QAM	6	0	21.66	21.76	21.65	22.5	1.5			
1.4	64QAM	1	0	21.63	21.77	21.66					
1.4	64QAM	1	3	21.52	21.67	21.62					
1.4	64QAM	1	5	21.61	21.66	21.62	23.5	0.5			
1.4	64QAM	3	0	21.60	21.64	21.59					
1.4	64QAM	3	1	21.51	21.57	21.60					
1.4	64QAM	3	3	21.61	21.54	21.51	22.5	1.5			
1.4	64QAM	6	0	20.54	20.62	20.63					

Band 17 DS14 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				7370	7370	7380			
Frequency (MHz)				706	710	711			
10	QPSK	1	0	22.46	22.67	22.29	24	0	
10	QPSK	1	25	22.30	22.42	22.19			
10	QPSK	1	49	22.50	22.45	22.34			
10	QPSK	25	0	22.28	22.50	22.13	24	0	
10	QPSK	25	12	22.22	22.46	22.06			
10	QPSK	25	25	22.41	22.47	22.34			
10	QPSK	50	0	22.16	22.41	22.15	24	0	
10	16QAM	1	0	22.16	22.45	22.31			
10	16QAM	1	25	22.26	22.35	22.26			
10	16QAM	1	49	22.36	22.29	22.45	23.5	0.5	
10	16QAM	25	0	21.72	21.86	21.59			
10	16QAM	25	12	21.83	21.73	21.50			
10	16QAM	25	25	21.58	21.95	21.61	22.5	1.5	
10	16QAM	50	0	21.70	21.88	21.66			
10	64QAM	1	0	21.69	21.84	21.73			
10	64QAM	1	25	21.76	21.59	21.65	23.5	0.5	
10	64QAM	1	49	21.84	22.01	21.68			
10	64QAM	25	0	20.61	20.52	20.69			
10	64QAM	25	12	20.57	20.80	20.75	22.5	1.5	
10	64QAM	25	25	20.59	20.52	20.63			
10	64QAM	50	0	20.65	20.88	20.76			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.28	22.65	22.16	24	0	
5	QPSK	1	12	22.26	22.43	22.15			
5	QPSK	1	24	22.32	22.26	22.35			
5	QPSK	12	0	22.07	22.42	22.09	24	0	
5	QPSK	12	7	22.19	22.26	22.10			
5	QPSK	12	13	22.32	22.26	22.29			
5	QPSK	25	0	22.13	22.34	22.16	24	0	
5	16QAM	1	0	22.01	22.45	22.14			
5	16QAM	1	12	22.24	22.15	22.25			
5	16QAM	1	24	22.18	22.22	22.38	23.5	0.5	
5	16QAM	12	0	21.62	21.83	21.50			
5	16QAM	12	7	21.70	21.74	21.61			
5	16QAM	12	13	21.57	21.71	21.56	22.5	1.5	
5	16QAM	25	0	21.67	21.70	21.67			
5	64QAM	1	0	21.55	21.69	21.61			
5	64QAM	1	12	21.55	21.67	21.60	22.5	1.5	
5	64QAM	1	24	21.77	21.89	21.50			
5	64QAM	12	0	20.55	20.66	20.82			
5	64QAM	12	7	20.65	20.62	20.58	22.5	1.5	
5	64QAM	12	13	20.75	20.72	20.54			
5	64QAM	25	0	20.55	20.75	20.76			

Band 26 DS14 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.51	24.52	24.44	25.5	0	
15	QPSK	1	37	24.40	24.33	24.36			
15	QPSK	1	74	24.44	24.39	24.26			
15	QPSK	36	0	23.49	23.58	23.53	24.5	1	
15	QPSK	36	20	23.31	23.44	23.25			
15	QPSK	36	39	23.37	23.47	23.19			
15	QPSK	75	0	23.46	23.59	23.45	24.5	1	
15	16QAM	1	0	23.48	23.44	23.43			
15	16QAM	1	37	23.43	23.41	23.39			
15	16QAM	1	74	23.34	23.49	23.32	23.5	2	
15	16QAM	36	0	22.48	22.42	22.34			
15	16QAM	36	20	22.43	22.31	22.39			
15	16QAM	36	39	22.45	22.41	22.26	23.5	2	
15	16QAM	75	0	22.47	22.60	22.55			
15	64QAM	1	0	22.53	22.61	22.37	23.5	2	
15	64QAM	1	37	22.33	22.33	22.28			
15	64QAM	1	74	22.43	22.46	22.26			
15	64QAM	36	0	21.51	21.49	21.54	22.5	3	
15	64QAM	36	20	21.48	21.53	21.55			
15	64QAM	36	39	21.29	21.23	21.42			
15	64QAM	75	0	21.47	21.33	21.22	25.5	0	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.33	24.49	24.30	24.5	0	
10	QPSK	1	25	24.41	24.18	24.21			
10	QPSK	1	49	24.44	24.16	24.25			
10	QPSK	25	0	23.49	23.44	23.51	24.5	1	
10	QPSK	25	12	23.14	23.29	23.24			
10	QPSK	25	25	23.31	23.49	23.19			
10	QPSK	50	0	23.26	23.58	23.40	24.5	1	
10	16QAM	1	0	23.28	23.36	23.40			
10	16QAM	1	25	23.43	23.22	23.30			
10	16QAM	1	49	23.29	23.29	23.20	23.5	2	
10	16QAM	25	0	22.44	22.21	22.26			
10	16QAM	25	12	22.44	22.24	22.34			
10	16QAM	25	25	22.47	22.21	22.05	22.5	3	
10	16QAM	50	0	22.47	22.41	22.26			
10	64QAM	1	25	22.29	22.14	22.08			
10	64QAM	1	49	22.38	22.39	22.11	22.5	3	
10	64QAM	25	0	21.32	21.35	21.39			
10	64QAM	25	12	21.43	21.51	21.51			
10	64QAM	25	25	21.11	21.14	21.42	25.5	0	
10	64QAM	50	0	21.35	21.23	21.14			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.31	24.44	24.36	24.5	0	
5	QPSK	1	12	24.39	24.29	24.15			
5	QPSK	1	24	24.33	24.37	24.24			
5	QPSK	12	0	23.31	23.57	23.47	24.5	1	
5	QPSK	12	7	23.10	23.29	23.16			
5	QPSK	12	13	23.23	23.29	23.16			
5	QPSK	25	0	23.33	23.38	23.31	24.5	1	
5	16QAM	1	0	23.31	23.46	23.26			
5	16QAM	1	12	23.28	23.37	23.26			
5	16QAM	1	24	23.22	23.37	23.21	23.5	2	
5	16QAM	12	0	22.26	22.23	22.19			
5	16QAM	12	7	22.37	22.30	22.22			
5	16QAM	12	13	22.37	22.21	22.05	23.5	2	
5	16QAM	25	0	22.31	22.44	22.38			
5	64QAM	1	0	22.35	22.40	22.25			
5	64QAM	1	12	22.24	22.22	22.21	22.5	3	
5	64QAM	1	24	22.26	22.26	22.12			
5	64QAM	12	0	21.41	21.35	21.33			
5	64QAM	12	7	21.50	21.52	21.45	22.5	3	
5	64QAM	12	13	21.27	21.14	21.34			
5	64QAM	25	0	21.30	21.26	21.11			
Channel				26705	26865	27025	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				816.5	831.5	847.5			
3	QPSK	1	0	24.47	24.33	24.24	25.5	0	
3	QPSK	1	8	24.35	24.27	24.19			
3	QPSK	1	14	24.38	24.19	24.20			
3	QPSK	8	0	23.43	23.41	23.39	24.5	1	
3	QPSK	8	4	23.12	23.34	23.26			
3	QPSK	8	7	23.28	23.30	23.13			
3	QPSK	15	0	23.47	23.55	23.27	24.5	1	
3	16QAM	1	0	23.43	23.23	23.26			
3	16QAM	1	8	23.32	23.35	23.40	24.5	1	
3	16QAM	1	14	23.17	23.51	23.21			
3	16QAM	8	0	22.42	22.32	22.33			
3	16QAM	8	4	22.21	22.16	22.34	23.5	2	
3	16QAM	8	7	22.37	22.28	22.11			
3	16QAM	15	0	22.27	22.38	22.46			
3	64QAM	1	0	22.51	22.62	22.23	23.5	2	
3	64QAM	1	8	22.21	22.54	22.32			
3	64QAM	1	14	22.27	22.44	22.19			
3	64QAM	8	0	21.49	21.36	21.55	22.5	3	
3	64QAM	8	4	21.42	21.35	21.40			
3	64QAM	8	7	21.14	21.07	21.40			
3	64QAM	15	0	21.26	21.29	21.17	25.5	0	
Channel				26730	26875	27030			
Frequency (MHz)				816.7	831.5	848.3			
1.4	QPSK	1	0	24.31	24.45	24.25	25.5	0	
1.4	QPSK	1	3	24.27	24.22	24.29			
1.4	QPSK	1	5	24.28	24.20	24.20			
1.4	QPSK	3	0	24.13	24.30	24.09	24.5	1	
1.4	QPSK	3	1	24.13	24.08	24.10			
1.4	QPSK	3	3	24.19	23.99	24.09			
1.4	QPSK	6	0	23.34	23.54	23.46	24.5	1	
1.4	16QAM	1	0	23.35	23.29	23.44			
1.4	16QAM	1	3	23.30	23.41	23.35			
1.4	16QAM	1	5	23.30	23.32	23.28	24.5	1	
1.4	16QAM	3	0	23.28	23.11	23.23			
1.4	16QAM	3	1	23.09	23.33	23.31			
1.4	16QAM	3	3	23.28	23.24	23.21	23.5	2	
1.4	16QAM	6	0	22.41	22.48	22.52			
1.4	64QAM	1	0	22.50	22.52	22.22			
1.4	64QAM	1	3	22.11	22.16	22.29	23.5	2	
1.4	64QAM	1	5	22.44	22.24	22.11			
1.4	64QAM	3	0	22.44	22.50	22.23			
1.4	64QAM	3	1	22.08	22.07	22.15	22.5	3	
1.4	64QAM	3	3	22.36	22.09	22.09			
1.4	64QAM	6	0	21.61	21.25	21.09			

Band 38 DS14 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.55	19.67	19.28	20	0		
20	QPSK	1	49	19.48	19.61	19.49				
20	QPSK	1	99	19.58	19.51	19.30				
20	QPSK	50	0	19.57	19.62	19.20				
20	QPSK	50	24	19.35	19.51	19.44	20	0		
20	QPSK	50	50	19.46	19.29	19.31				
20	QPSK	100	0	19.48	19.63	19.13				
20	16QAM	1	0	19.27	19.54	19.29				
20	16QAM	1	49	19.57	19.35	19.26	20	0		
20	16QAM	1	99	19.53	19.52	19.24				
20	16QAM	50	0	19.38	19.55	19.16				
20	16QAM	50	24	19.37	19.46	19.39				
20	16QAM	50	50	19.44	19.48	19.11	20	0		
20	16QAM	100	0	19.45	19.57	19.09				
20	64QAM	1	0	19.42	19.60	19.26				
20	64QAM	1	49	19.42	19.60	19.38				
20	64QAM	1	99	19.44	19.37	19.22	20	0		
20	64QAM	50	0	19.53	19.60	19.15				
20	64QAM	50	24	19.34	19.45	19.12				
20	64QAM	50	50	19.36	19.58	19.51				
20	64QAM	100	0	19.50	19.33	19.16	Tune-up limit (dBm)	MPR (dB)		
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.46	19.41	19.22	20	0		
15	QPSK	1	37	19.42	19.61	19.45				
15	QPSK	1	74	19.53	19.42	19.31				
15	QPSK	36	0	19.49	19.40	19.14				
15	QPSK	36	20	19.25	19.35	19.29	20	0		
15	QPSK	36	39	19.32	19.14	19.26				
15	QPSK	75	0	19.30	19.34	19.11				
15	16QAM	1	0	19.11	19.52	19.08				
15	16QAM	1	37	19.52	19.33	19.14	20	0		
15	16QAM	1	74	19.33	19.43	19.07				
15	16QAM	36	0	19.35	19.35	19.47				
15	16QAM	36	20	19.34	19.30	19.18				
15	16QAM	36	39	19.24	19.36	19.05	20	0		
15	16QAM	75	0	19.31	19.43	19.50				
15	64QAM	1	0	19.39	19.44	19.16				
15	64QAM	1	37	19.41	19.42	19.18				
15	64QAM	1	74	19.45	19.16	19.15	20	0		
15	64QAM	36	0	19.40	19.45	19.10				
15	64QAM	36	20	19.31	19.30	19.13				
15	64QAM	36	39	19.37	19.48	19.35				
15	64QAM	75	0	19.33	19.18	19.09	Tune-up limit (dBm)	MPR (dB)		
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.55	19.46	19.26	20	0		
10	QPSK	1	25	19.32	19.57	19.43				
10	QPSK	1	49	19.46	19.35	19.11				
10	QPSK	25	0	19.38	19.54	19.29				
10	QPSK	25	12	19.27	19.35	19.23	20	0		
10	QPSK	25	25	19.45	19.07	19.32				
10	QPSK	50	0	19.49	19.63	19.41				
10	16QAM	1	0	19.13	19.37	19.24				
10	16QAM	1	25	19.36	19.25	19.26	20	0		
10	16QAM	1	49	19.52	19.51	19.20				
10	16QAM	25	0	19.28	19.38	19.13				
10	16QAM	25	12	19.37	19.35	19.31				
10	16QAM	25	25	19.24	19.28	19.01	20	0		
10	16QAM	50	0	19.24	19.38	19.00				
10	64QAM	1	0	19.35	19.42	19.26				
10	64QAM	1	25	19.37	19.59	19.30				
10	64QAM	1	49	19.33	19.31	19.46	20	0		
10	64QAM	25	0	19.32	19.52	19.41				
10	64QAM	25	12	19.33	19.28	19.47				
10	64QAM	25	25	19.26	19.38	19.47				
10	64QAM	50	0	19.30	19.19	19.02	Tune-up limit (dBm)	MPR (dB)		
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.51	19.47	19.15	20	0		
5	QPSK	1	12	19.29	19.55	19.46				
5	QPSK	1	24	19.49	19.41	19.22				
5	QPSK	12	0	19.45	19.54	19.20				
5	QPSK	12	7	19.19	19.41	19.23	20	0		
5	QPSK	12	13	19.36	19.07	19.33				
5	QPSK	25	0	19.34	19.59	19.13				
5	16QAM	1	0	19.17	19.49	19.16				
5	16QAM	1	12	19.37	19.29	19.13	20	0		
5	16QAM	1	24	19.33	19.40	19.15				
5	16QAM	12	0	19.17	19.56	19.28				
5	16QAM	12	7	19.28	19.47	19.27				
5	16QAM	12	13	19.36	19.40	19.36	20	0		
5	16QAM	25	0	19.28	19.56	19.50				
5	64QAM	1	0	19.36	19.60	19.28				
5	64QAM	1	12	19.28	19.56	19.27				
5	64QAM	1	24	19.23	19.37	19.49	20	0		
5	64QAM	12	0	19.32	19.49	19.36				
5	64QAM	12	7	19.32	19.36	19.12				
5	64QAM	12	13	19.26	19.58	19.42				
5	64QAM	25	0	19.48	19.12	19.36				

Band 41 DS14 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High 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	20.14	19.97	20.26	20.18	20.00	20.5	0
20	QPSK	1	49	20.00	19.82	20.21	20.02	19.95		
20	QPSK	1	99	19.95	19.80	20.11	20.15	19.97		
20	QPSK	50	0	19.95	19.88	20.13	20.12	19.78		
20	QPSK	50	24	19.89	19.86	20.11	20.00	19.88	20.5	0
20	QPSK	50	50	19.82	19.73	20.03	20.09	19.75		
20	QPSK	100	0	20.04	20.00	20.07	20.01	19.89		
20	16QAM	1	0	19.84	19.70	19.97	19.87	19.85		
20	16QAM	1	49	19.83	19.78	19.98	20.00	19.90	20.5	0
20	16QAM	1	99	20.04	19.85	20.05	20.17	20.01		
20	16QAM	50	0	20.02	19.94	20.17	19.80	19.85		
20	16QAM	50	24	19.82	19.84	19.90	20.03	19.82		
20	16QAM	50	50	19.95	19.97	20.06	20.12	19.98	20.5	0
20	16QAM	100	0	20.00	19.83	20.25	20.01	19.82		
20	64QAM	1	0	19.91	19.89	20.13	19.88	19.90		
20	64QAM	1	49	19.90	19.71	19.98	20.07	19.85		
20	64QAM	1	99	19.94	19.75	20.02	19.91	19.83	20.5	0
20	64QAM	50	0	19.77	19.76	19.99	20.04	19.97		
20	64QAM	50	24	20.11	20.02	20.07	20.06	20.00		
20	64QAM	50	50	19.82	19.73	20.13	20.02	19.75		
20	64QAM	100	0	19.79	19.73	20.02	20.09	19.90		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2636.5	2680.5		
15	QPSK	1	0	20.02	20.03	20.21	20.04	19.92	20.5	0
15	QPSK	1	37	19.89	19.86	20.08	19.84	19.85		
15	QPSK	1	74	19.96	19.87	19.98	19.98	19.92		
15	QPSK	36	0	19.84	19.83	19.98	19.93	19.57		
15	QPSK	36	20	19.80	19.81	20.06	19.86	19.74	20.5	0
15	QPSK	36	39	19.67	19.74	19.97	19.97	19.62		
15	QPSK	75	0	19.98	19.93	19.90	20.02	19.82		
15	16QAM	1	0	19.81	19.77	19.84	19.97	19.88		
15	16QAM	1	37	19.80	19.83	19.79	19.95	19.71	20.5	0
15	16QAM	1	74	19.94	20.04	20.06	20.00	19.87		
15	16QAM	36	0	20.01	19.90	20.00	19.68	19.78		
15	16QAM	36	20	19.77	19.67	19.75	19.93	19.78		
15	16QAM	36	39	19.79	19.84	19.93	19.92	19.84	20.5	0
15	16QAM	75	0	19.92	19.91	19.97	20.00	19.65		
15	64QAM	1	0	19.70	19.71	19.83	19.80	19.87		
15	64QAM	1	37	19.84	19.71	19.99	20.02	19.82		
15	64QAM	1	74	19.84	19.83	19.88	19.84	19.77	20.5	0
15	64QAM	36	0	19.62	19.70	19.86	19.92	19.77		
15	64QAM	36	20	20.06	20.00	19.91	20.08	19.88		
15	64QAM	36	39	19.76	19.72	20.05	19.89	19.73		
15	64QAM	75	0	19.67	19.63	20.02	19.93	19.85		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.08	20.01	20.19	20.12	19.93	20.5	0
10	QPSK	1	25	19.95	19.83	20.20	19.83	19.88		
10	QPSK	1	49	19.78	19.88	19.89	19.99	19.92		
10	QPSK	25	0	19.83	19.96	19.89	20.03	19.79		
10	QPSK	25	12	19.77	19.88	19.91	20.02	19.89	20.5	0
10	QPSK	25	25	19.70	19.86	19.96	19.93	19.74		
10	QPSK	50	0	19.86	20.06	19.87	19.97	19.72		
10	16QAM	1	0	19.72	19.67	19.99	19.94	19.86		
10	16QAM	1	25	19.72	19.84	19.92	19.90	19.88	20.5	0
10	16QAM	1	49	19.99	20.03	19.85	20.11	19.83		
10	16QAM	25	0	19.82	20.05	20.07	19.58	19.72		
10	16QAM	25	12	19.71	19.64	19.86	19.87	19.62		
10	16QAM	25	25	19.93	19.98	19.97	19.92	19.93	20.5	0
10	16QAM	50	0	19.84	19.82	20.06	19.82	19.70		
10	64QAM	1	0	19.91	19.72	20.09	19.87	19.70		
10	64QAM	1	25	19.87	19.87	19.84	20.04	19.72		
10	64QAM	1	49	19.73	19.83	19.86	19.72	19.67	20.5	0
10	64QAM	25	0	19.75	19.69	19.98	19.92	19.89		
10	64QAM	25	12	20.07	20.09	20.05	20.02	19.98		
10	64QAM	25	25	19.70	19.71	20.11	19.95	19.67		
10	64QAM	50	0	19.67	19.77	19.86	20.11	19.82		
Channel				25075	40145	40620	41093	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.06	19.97	20.10	20.14	19.90	20.5	0
5	QPSK	1	12	19.92	19.91	20.14	19.86	19.88		
5	QPSK	1	24	19.96	19.93	19.91	20.10	19.96		
5	QPSK	12	0	19.80	19.93	19.97	19.99	19.57		
5	QPSK	12	7	19.81	19.91	20.07	19.87	19.88	20.5	0
5	QPSK	12	13	19.66	19.73	20.05	19.96	19.76		
5	QPSK	25	0	19.97	19.98	19.99	20.00	19.88		
5	16QAM	1	0	19.71	19.78	19.86	19.95	19.86		
5	16QAM	1	12	19.82	19.86	19.82	20.02	19.87	20.5	0
5	16QAM	1	24	20.02	19.88	19.93	20.18	19.88		
5	16QAM	12	0	19.81	20.05	20.05	19.62	19.76		
5	16QAM	12	7	19.66	19.76	19.74	20.02	19.78		
5	16QAM	12	13	19.83	19.86	19.85	20.06	19.79	20.5	0
5	16QAM	25	0	19.92	20.01	19.68	19.84	19.70		
5	64QAM	1	0	19.84	19.83	19.97	19.71	19.91		
5	64QAM	1	12	19.79	19.87	19.97	19.87	19.68		
5	64QAM	1	24	19.91	19.78	19.86	19.73	19.72	20.5	0
5	64QAM	12	0	19.71	19.78	19.91	19.92	19.83		
5	64QAM	12	7	19.98	20.10	19.89	19.99	19.91		
5	64QAM	12	13	19.65	19.75	19.99	19.96	19.62		
5	64QAM	25	0	19.61	19.68	19.82	19.95	19.92		

GSM850 DSH Ant2							
GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)		
TX Channel	128	189	251	128	189	251	Tune-up Limit
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	Tune-up Limit
GSM 1 Tx slot	33.07	33.20	33.23	33.50	24.07	24.20	24.23
GPRS 1 Tx slot	33.23	33.30	33.29	33.50	24.23	24.30	24.29
GPRS 2 Tx slots	29.49	29.62	29.45	30.00	23.49	23.62	23.45
GPRS 3 Tx slots	27.69	27.58	27.72	28.50	23.43	23.32	23.46
GPRS 4 Tx slots	26.29	26.39	26.22	27.50	23.29	23.39	23.22
EDGE 1 Tx slot	27.19	27.03	27.15	27.50	18.19	18.03	18.15
EDGE 2 Tx slots	24.38	24.51	24.46	25.00	18.38	18.51	18.50
EDGE 3 Tx slots	22.65	22.61	22.68	23.50	18.39	18.35	18.42
EDGE 4 Tx slots	21.27	21.52	21.42	22.50	18.27	18.52	18.42

		GSM1900 DS4 Ant2								
GSM1900		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit	
TX Channel		512	661	810	512	661	810	512	661	810
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)	
GSM 1 Tx slot		25.56	25.61	25.83	26.00	16.56	16.61	16.83	16.88	18.00
GPRS 1 Tx slot		25.68	25.89	25.77	26.00	16.68	16.89	16.77	16.89	18.00
GPRS 2 Tx slots		22.98	23.14	22.96	23.50	16.98	17.14	16.96	17.50	
GPRS 3 Tx slots		21.07	21.19	21.40	22.00	16.81	16.93	17.14	17.74	
GPRS 4 Tx slots		19.48	19.66	19.94	20.50	16.48	16.66	16.94	17.50	
EDGE 1 Tx slot		25.97	26.04	25.98	26.80	16.97	17.04	16.98	17.74	
EDGE 2 Tx slots		22.78	22.83	23.17	23.50	16.78	16.83	17.17	17.50	
EDGE 3 Tx slots		21.16	21.16	20.97	22.00	16.90	16.90	16.71	17.74	
EDGE 4 Tx slots		19.47	19.49	19.77	20.50	16.47	16.49	16.77	17.50	

WCDMA II DS4 Ant2				WCDMA IV DS4 Ant2				WCDMA V DS4 Ant2					
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel	9262	9400	9538	1312		1413	1513	4132		4182	4233		
Rx Channel	9662	9800	9938	1537		1638	1738	4357		4407	4458		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	16.81	16.84	16.75	18.00	17.11	17.26	16.98	18.50	24.53	24.63	24.60	25.50
3GPP Rel 99	RMC 12.2Kbps	16.80	17.03	16.96	18.00	17.20	17.43	17.03	18.50	24.55	24.72	24.70	25.50
3GPP Rel 6	HSDPA Subtest-1	16.81	17.00	16.97	18.00	17.00	17.33	16.84	18.50	23.63	23.85	23.91	24.00
3GPP Rel 6	HSDPA Subtest-2	16.69	16.98	16.91	18.00	17.17	17.27	16.99	18.50	23.60	23.83	23.90	24.00
3GPP Rel 6	HSDPA Subtest-3	16.80	16.87	16.82	18.00	17.16	17.24	17.02	18.50	23.28	23.40	23.40	24.00
3GPP Rel 6	HSDPA Subtest-4	16.64	16.90	16.92	18.00	17.17	17.22	16.88	18.50	23.26	23.30	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.62	16.82	16.98	18.00	17.07	17.27	16.81	18.50	23.67	23.90	23.89	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.61	17.00	16.95	18.00	17.15	17.29	16.97	18.50	23.83	23.87	23.85	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.60	16.84	16.79	18.00	17.05	17.37	17.01	18.50	23.32	23.47	23.11	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.63	16.77	16.79	18.00	17.18	17.34	16.91	18.50	23.00	23.33	23.41	24.00
3GPP Rel 6	HSUPA Subtest-1	16.66	16.88	16.79	18.00	17.18	17.35	16.97	18.50	21.64	21.92	21.97	23.00
3GPP Rel 6	HSUPA Subtest-2	16.61	16.83	16.82	18.00	17.01	17.34	16.86	18.50	21.88	21.66	21.72	23.00
3GPP Rel 6	HSUPA Subtest-3	16.68	16.89	16.78	18.00	17.17	17.22	16.99	18.50	22.02	22.05	21.93	23.00
3GPP Rel 6	HSUPA Subtest-4	16.58	16.92	16.93	18.00	17.03	17.21	16.93	18.50	21.82	21.88	21.80	23.00
3GPP Rel 6	HSUPA Subtest-5	16.71	16.83	16.78	18.00	17.09	17.34	17.00	18.50	21.87	21.82	21.83	23.00

Band 2 DS14 Ant2											
BW (MHz)	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	16.96	17.16	17.00					
20	QPSK	1	49	16.87	16.84	16.82	18	0			
20	QPSK	1	99	16.80	16.67	16.74					
20	QPSK	50	0	16.79	17.11	16.88					
20	QPSK	50	24	16.89	16.96	16.73	18	0			
20	QPSK	50	50	16.59	16.51	16.69					
20	QPSK	100	0	16.77	17.12	16.83					
20	16QAM	1	0	16.73	16.75	16.72					
20	16QAM	1	49	16.77	16.66	16.54	18	0			
20	16QAM	1	99	16.93	17.02	16.95					
20	16QAM	50	0	16.78	16.69	16.75					
20	16QAM	50	24	16.59	16.59	16.65	18	0			
20	16QAM	50	50	16.69	16.49	16.74					
20	16QAM	100	0	16.96	17.11	16.90					
20	64QAM	1	0	16.81	16.75	16.64					
20	64QAM	1	49	16.60	16.59	16.52	18	0			
20	64QAM	1	99	16.58	16.58	16.72					
20	64QAM	50	0	16.75	16.59	16.65					
20	64QAM	50	24	16.50	16.95	17.01	18	0			
20	64QAM	50	50	16.72	16.76	16.62					
20	64QAM	100	0	16.62	16.55	16.73					
Channel											
Frequency (MHz)											
15	QPSK	1	0	16.875	16.900	19.025			Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.875	16.74	16.77					
15	QPSK	1	37	16.71	16.86	16.62	18	0			
15	QPSK	1	74	16.66	16.90	16.71					
15	QPSK	36	0	16.67	16.88	16.86					
15	QPSK	36	20	16.74	16.64	16.70	18	0			
15	QPSK	36	39	16.50	16.53	16.65					
15	QPSK	75	0	16.63	16.94	16.62					
15	16QAM	1	0	16.83	16.73	16.95					
15	16QAM	1	37	16.66	16.61	16.69	18	0			
15	16QAM	1	74	16.65	16.92	16.83					
15	16QAM	36	0	16.68	16.68	16.77					
15	16QAM	36	20	16.59	16.55	16.61	18	0			
15	16QAM	36	39	16.61	16.48	16.67					
15	16QAM	75	0	16.68	16.94	16.85					
15	64QAM	1	0	16.62	16.64	16.52					
15	64QAM	1	37	16.44	16.41	16.40	18	0			
15	64QAM	1	74	16.49	16.47	16.61					
15	64QAM	36	0	16.66	16.53	16.63					
15	64QAM	36	20	16.83	16.88	16.92	18	0			
15	64QAM	36	39	16.51	16.61	16.49					
15	64QAM	75	0	16.48	16.51	16.69					
Channel											
Frequency (MHz)											
10	QPSK	1	0	16.950	16.900	19.150			Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.95	16.90	19.05					
10	QPSK	1	25	16.77	16.71	16.68	18	0			
10	QPSK	1	49	16.81	16.48	16.80					
10	QPSK	25	0	16.78	16.85	16.85					
10	QPSK	25	12	16.85	16.64	16.61	18	0			
10	QPSK	25	25	16.56	16.58	16.62					
10	QPSK	50	0	16.69	16.90	16.75					
10	16QAM	1	0	16.68	16.85	16.62					
10	16QAM	1	25	16.77	16.53	16.65	18	0			
10	16QAM	1	49	16.59	16.88	16.84					
10	16QAM	25	0	16.57	16.62	16.67					
10	16QAM	25	12	16.47	16.39	16.49	18	0			
10	16QAM	25	25	16.69	16.41	16.54					
10	16QAM	50	0	16.79	17.00	16.78					
10	64QAM	1	0	16.75	16.70	16.65					
10	64QAM	1	25	16.56	16.59	16.44	18	0			
10	64QAM	1	49	16.64	16.35	16.50					
10	64QAM	25	0	16.75	16.83	16.74					
10	64QAM	25	12	16.60	16.52	16.67	18	0			
10	64QAM	25	25	16.58	16.77	16.75					
10	64QAM	50	0	16.46	16.48	16.54					
Channel											
Frequency (MHz)											
5	QPSK	1	0	16.852	16.800	19.075			Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.88	17.14	16.82					
5	QPSK	1	12	16.85	16.81	16.72	18	0			
5	QPSK	1	24	16.81	16.67	16.71					
5	QPSK	12	0	16.75	16.85	16.84					
5	QPSK	12	7	16.86	16.56	16.73	18	0			
5	QPSK	12	13	16.57	16.51	16.58					
5	QPSK	25	0	16.62	16.94	16.74					
5	16QAM	1	0	16.96	16.62	16.71					
5	16QAM	1	12	16.69	16.47	16.56	18	0			
5	16QAM	1	24	16.83	16.90	16.85					
5	16QAM	12	0	16.60	16.55	16.72					
5	16QAM	12	7	16.59	16.59	16.82	18	0			
5	16QAM	12	13	16.62	16.29	16.72					
5	16QAM	25	0	16.85	16.98	16.72					
5	64QAM	1	0	16.78	16.55	16.54					
5	64QAM	1	12	16.58	16.60	16.52	18	0			
5	64QAM	1	24	16.66	16.57	16.73					
5	64QAM	12	0	16.55	16.50	16.44					
5	64QAM	12	7	16.75	16.82	16.90					
5	64QAM	12	13	16.73	16.64	16.46	18	0			
5	64QAM	25	0	16.43	16.38	16.53					
Channel											
Frequency (MHz)											
3	QPSK	1	0	16.815	16.800	19.025			Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.82	17.00	16.78					
3	QPSK	1	8	16.68	16.80	16.68	18	0			
3	QPSK	1	14	16.80	16.63	16.63					
3	QPSK	8	0	16.91	17.00	16.84					
3	QPSK	8	4	16.82	16.79	16.79	18	0			
3	QPSK	8	7	16.64	16.57	16.66					
3	QPSK	15	0	16.60	16.92	16.65					
3	16QAM	1	0	16.70	16.74	16.54					
3	16QAM	1	8	16.57	16.57	16.55	18	0			
3	16QAM	1	14	16.92	17.00	16.92					
3	16QAM	8	0	16.63	16.64	16.54					
3	16QAM	8	4	16.52	16.61	16.59	18	0			
3	16QAM	8	7	16.64	16.43	16.66					
3	16QAM	15	0	16.84	16.98	16.70					
3	64QAM	1	0	16.82	16.65	16.44					
3	64QAM	1	8	16.60	16.38	16.51	18	0			
3	64QAM	1	14	16.51	16.39	16.69					
3	64QAM	8	0	16.94	17.00	16.82					
3	64QAM	8	4	16.79	16.67	16.62	18	0			
3	64QAM	8	7	16.77	16.60	16.69					
3	64QAM	15	0	16.49	16.55	16.60					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	16.607	16.590	19.193			Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	16.69	16.98	16.97					
1.4	QPSK	1	3	16.81	16.71	16.78	18	0			
1.4	QPSK	1	5	16.59	16.48	16.60					
1.4	QPSK	3	0	16.67	16.78	16.79	18	0			
1.4	QPSK	3	1	16.70	16.52	16.59					
1.4	QPSK	3	3	16.66	16.53	16.66					
1.4	QPSK	6	0	16.70	16.10	16.82	17	1			
1.4	16QAM	1	5	16.51	16.59	16.52					
1.4	16QAM	1	3	16.74	16.46	16.47					
1.4	16QAM	1	5	16.55	16.61	16.60					
1.4	16QAM	3	0	16.63	16.61	16.69	17	1			
1.4	16QAM	3	1	16.50	16.51	16.49					
1.4	16QAM	3	3	16.49	16.32	16.32	16	2			
1.4	16QAM	3	5	16.57	17.07	16.69					
1.4	64QAM	1	0	16.82	16.74	16.45					
1.4	64QAM	1	3	16.56	16.38	16.32					
1.4	64QAM	1	5	16.58	16.49	16.68					
1.4	64QAM	3	0	16.65	16.58	16.62					
1.4	64QAM	3	1	16.85	16.97	17.02					
1.4	64QAM	3	3	16.57	16.56	16.62					
1.4	64QAM	6	0	16.64	16.44	16.54	15	3			



Band 7 DS14 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	0	17.61	17.64	17.60	18	0	
20	QPSK	1	49	17.54	17.59	17.58			
20	QPSK	1	99	17.54	17.55	17.53			
20	QPSK	50	0	17.44	17.47	17.44			
20	QPSK	50	24	17.43	17.45	17.41	18	0	
20	QPSK	50	50	17.37	17.41	17.38			
20	QPSK	100	0	17.34	17.38	17.35			
20	16QAM	1	0	17.50	17.54	17.49			
20	16QAM	1	49	17.44	17.48	17.45	18	0	
20	16QAM	1	99	17.39	17.43	17.38			
20	16QAM	50	0	17.38	17.43	17.38			
20	16QAM	50	24	17.39	17.41	17.38			
20	16QAM	50	50	17.35	17.39	17.36	18	0	
20	16QAM	100	0	17.34	17.36	17.34			
20	64QAM	1	0	17.59	17.61	17.57			
20	64QAM	1	49	17.52	17.57	17.53	18	0	
20	64QAM	1	99	17.49	17.52	17.48			
20	64QAM	50	0	17.36	17.39	17.35			
20	64QAM	50	24	17.32	17.35	17.33			
20	64QAM	50	50	17.25	17.27	17.25	18	0	
20	64QAM	100	0	17.14	17.17	17.16			
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	17.59	17.60	17.56	18	0	
15	QPSK	1	37	17.51	17.57	17.53			
15	QPSK	1	74	17.51	17.54	17.51			
15	QPSK	36	0	17.40	17.43	17.39			
15	QPSK	36	20	17.41	17.43	17.37	18	0	
15	QPSK	36	39	17.36	17.40	17.32			
15	QPSK	75	0	17.32	17.35	17.33			
15	16QAM	1	0	17.46	17.50	17.45			
15	16QAM	1	37	17.43	17.47	17.41	18	0	
15	16QAM	1	74	17.35	17.42	17.34			
15	16QAM	36	0	17.36	17.42	17.35			
15	16QAM	36	20	17.36	17.38	17.34			
15	16QAM	36	39	17.31	17.37	17.32	18	0	
15	16QAM	75	0	17.32	17.33	17.29			
15	64QAM	1	0	17.54	17.58	17.55			
15	64QAM	1	37	17.48	17.52	17.51	18	0	
15	64QAM	1	74	17.47	17.49	17.47			
15	64QAM	36	0	17.34	17.35	17.33			
15	64QAM	36	20	17.30	17.33	17.29			
15	64QAM	36	39	17.21	17.24	17.21	18	0	
15	64QAM	75	0	17.09	17.13	17.12			
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	0	17.56	17.56	17.54	18	0	
10	QPSK	1	25	17.48	17.52	17.51			
10	QPSK	1	49	17.47	17.52	17.47			
10	QPSK	25	0	17.38	17.39	17.36			
10	QPSK	25	12	17.38	17.42	17.32	18	0	
10	QPSK	25	25	17.35	17.35	17.27			
10	QPSK	50	0	17.29	17.31	17.28			
10	16QAM	1	0	17.42	17.46	17.42			
10	16QAM	1	25	17.39	17.43	17.36	18	0	
10	16QAM	1	49	17.31	17.40	17.32			
10	16QAM	25	0	17.33	17.40	17.32			
10	16QAM	25	12	17.34	17.34	17.32			
10	16QAM	25	25	17.29	17.35	17.29	18	0	
10	16QAM	50	0	17.27	17.31	17.25			
10	64QAM	1	0	17.53	17.53	17.53			
10	64QAM	1	25	17.47	17.50	17.47	18	0	
10	64QAM	1	49	17.45	17.45	17.44			
10	64QAM	25	0	17.30	17.30	17.31			
10	64QAM	25	12	17.27	17.29	17.24			
10	64QAM	25	25	17.16	17.19	17.19	18	0	
10	64QAM	50	0	17.08	17.11	17.08			
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	0	17.54	17.55	17.52	18	0	
5	QPSK	1	12	17.43	17.50	17.49			
5	QPSK	1	24	17.44	17.51	17.43			
5	QPSK	12	0	17.35	17.35	17.32			
5	QPSK	12	7	17.34	17.39	17.30	18	0	
5	QPSK	12	13	17.33	17.31	17.23			
5	QPSK	25	0	17.24	17.28	17.25			
5	16QAM	1	0	17.38	17.45	17.41			
5	16QAM	1	12	17.36	17.39	17.34	18	0	
5	16QAM	1	24	17.28	17.38	17.29			
5	16QAM	12	0	17.31	17.36	17.29			
5	16QAM	12	7	17.32	17.30	17.28			
5	16QAM	12	13	17.25	17.33	17.24	18	0	
5	16QAM	25	0	17.24	17.28	17.20			
5	64QAM	1	0	17.52	17.50	17.49			
5	64QAM	1	12	17.45	17.49	17.43	18	0	
5	64QAM	1	24	17.43	17.42	17.42			
5	64QAM	12	0	17.25	17.25	17.30			
5	64QAM	12	7	17.26	17.28	17.19			
5	64QAM	12	13	17.13	17.15	17.16	18	0	
5	64QAM	25	0	17.05	17.06	17.06			

Band 12 DS14 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23066	23130			
Frequency (MHz)				707.5	707.5	711			
10	QPSK	1	0	24.12	24.36	24.28	25.5	0	
10	QPSK	1	25	24.10	24.19	24.10			
10	QPSK	1	49	23.90	24.25	24.03			
10	QPSK	25	0	23.02	23.36	23.15			
10	QPSK	25	12	22.94	23.14	23.13	24.5	1	
10	QPSK	25	25	23.00	23.35	23.07			
10	QPSK	50	0	23.25	23.34	23.17			
10	16QAM	1	0	23.19	23.43	23.23			
10	16QAM	1	25	23.07	23.28	23.21	24.5	1	
10	16QAM	1	49	23.17	23.02	23.16			
10	16QAM	25	0	22.17	22.28	22.18			
10	16QAM	25	12	22.03	22.34	22.08			
10	16QAM	25	25	21.95	22.25	21.99	23.5	2	
10	16QAM	50	0	22.17	22.30	22.10			
10	64QAM	1	0	22.18	22.33	22.22			
10	64QAM	1	25	22.09	22.22	21.95			
10	64QAM	1	49	22.10	22.16	22.04	23.5	2	
10	64QAM	25	0	21.16	21.30	21.07			
10	64QAM	25	12	21.11	21.26	21.18			
10	64QAM	25	25	20.88	21.38	21.01			
10	64QAM	50	0	20.93	21.08	20.94	22.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.93	24.32	24.10	25.5	0	
5	QPSK	1	12	23.96	24.02	24.07			
5	QPSK	1	24	24.00	24.09	23.91			
5	QPSK	12	0	23.03	23.17	22.98			
5	QPSK	12	7	22.73	23.11	22.98	24.5	1	
5	QPSK	12	13	22.99	23.14	22.86			
5	QPSK	25	0	23.24	23.17	23.05			
5	16QAM	1	0	23.12	23.23	23.15	24.5	1	
5	16QAM	1	12	22.88	23.24	23.00			
5	16QAM	1	24	23.18	22.96	23.11			
5	16QAM	12	0	22.18	22.27	22.11	23.5	2	
5	16QAM	12	7	21.96	22.22	22.00			
5	16QAM	12	13	21.97	22.20	21.99			
5	16QAM	25	0	22.22	22.27	21.97	23.5	2	
5	64QAM	1	0	22.15	22.34	22.02			
5	64QAM	1	12	21.92	22.05	21.88			
5	64QAM	1	24	21.93	22.06	22.05	22.5	3	
5	64QAM	12	0	20.94	21.10	20.85			
5	64QAM	12	7	21.10	21.21	21.01			
5	64QAM	12	13	20.74	21.21	20.95	22.5		
5	64QAM	25	0	20.85	20.96	20.74			
Channel				23025	23096	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.94	24.31	24.08	25.5	0	
3	QPSK	1	8	23.91	24.02	23.87			
3	QPSK	1	14	23.81	24.18	24.01			
3	QPSK	8	0	22.83	23.28	23.15			
3	QPSK	8	8	22.88	23.00	23.15	24.5	1	
3	QPSK	8	7	22.93	23.31	22.89			
3	QPSK	15	0	23.16	23.18	23.03			
3	16QAM	1	0	23.02	23.35	23.03	24.5	1	
3	16QAM	1	8	22.92	23.10	23.00			
3	16QAM	1	14	23.01	22.94	23.09			
3	16QAM	8	0	22.05	22.27	22.10	23.5	2	
3	16QAM	8	4	21.86	22.25	22.09			
3	16QAM	8	7	21.00	22.15	21.84			
3	16QAM	15	0	22.14	22.27	21.94	23.5	2	
3	64QAM	1	0	22.05	22.13	22.03			
3	64QAM	1	5	22.09	22.05	21.98			
3	64QAM	1	14	22.02	22.17	22.05	22.5	3	
3	64QAM	8	0	20.95	21.20	21.00			
3	64QAM	8	4	21.12	21.09	20.98			
3	64QAM	8	7	20.82	21.30	20.93	22.5		
3	64QAM	15	0	20.87	21.08	20.86			
Channel				23017	23096	23176	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.04	24.21	24.20	25.5	0	
1.4	QPSK	1	3	23.88	24.18	23.91			
1.4	QPSK	1	5	23.86	24.20	23.89			
1.4	QPSK	3	0	23.88	24.14	24.10			
1.4	QPSK	3	1	23.70	23.99	23.97	24.5	1	
1.4	QPSK	3	3	23.82	24.16	23.87			
1.4	QPSK	6	0	23.16	23.32	23.14			
1.4	16QAM	1	0	23.03	23.38	23.12	24.5	1	
1.4	16QAM	1	3	23.01	23.20	23.09			
1.4	16QAM	1	5	22.96	22.93	23.07			
1.4	16QAM	3	0	22.85	23.20	23.10	23.5	2	
1.4	16QAM	3	1	22.99	23.11	23.08			
1.4	16QAM	3	3	22.33	22.32	23.02			
1.4	16QAM	6	0	22.14	22.15	22.08	23.5	2	
1.4	64QAM	1	0	22.12	22.26	22.15			
1.4	64QAM	1	3	22.06	22.24	21.78			
1.4	64QAM	1	5	22.11	22.01	21.89	23.5	2	
1.4	64QAM	3	0	22.28	22.09	22.03			
1.4	64QAM	3	1	21.95	22.12	21.82			
1.4	64QAM	3	3	22.08	21.84	21.87	22.5	3	
1.4	64QAM	6	0	20.77	21.10	20.74			

Band 17 DS14 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23780	23790	23800			
Frequency (MHz)				706	710	711			
10	QPSK	1	0	24.11	24.23	24.17	25.5	0	
10	QPSK	1	25	24.02	24.19	23.95			
10	QPSK	1	49	24.17	24.22	24.01			
10	QPSK	25	0	23.05	23.34	23.13			
10	QPSK	25	12	23.06	23.03	22.86	24.5	1	
10	QPSK	25	25	23.20	23.11	22.97			
10	QPSK	50	0	23.17	23.32	23.08			
10	16QAM	1	0	23.18	23.23	22.96			
10	16QAM	1	25	23.01	23.03	23.07	24.5	1	
10	16QAM	1	49	23.23	23.30	23.01			
10	16QAM	25	0	22.20	22.18	22.13			
10	16QAM	25	12	22.19	22.03	21.94			
10	16QAM	25	25	22.01	22.21	22.01	23.5	2	
10	16QAM	50	0	22.14	22.19	22.14			
10	64QAM	1	0	22.30	22.21	22.00			
10	64QAM	1	25	22.14	22.07	21.97			
10	64QAM	1	49	22.03	22.11	22.07	23.5	2	
10	64QAM	25	0	21.24	21.24	21.23			
10	64QAM	25	12	21.04	21.17	21.11			
10	64QAM	25	25	20.97	21.09	20.93			
10	64QAM	50	0	20.99	21.38	21.03	22.5	3	
Channel				23785	23790	23825	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.90	24.11	24.15	25.5	0	
5	QPSK	1	12	24.03	24.15	23.84			
5	QPSK	1	24	24.10	24.00	23.92			
5	QPSK	12	0	23.04	23.23	23.00			
5	QPSK	12	7	22.90	23.00	22.77	24.5	1	
5	QPSK	12	13	23.01	23.11	22.96			
5	QPSK	25	0	23.00	23.17	23.00			
5	16QAM	1	0	23.02	23.06	22.93			
5	16QAM	1	12	22.99	22.84	22.99	24.5	1	
5	16QAM	1	24	23.08	23.31	22.91			
5	16QAM	12	0	22.18	22.04	21.93			
5	16QAM	12	7	22.03	22.05	21.78			
5	16QAM	12	13	21.97	21.99	21.90	23.5	2	
5	16QAM	25	0	21.99	22.03	22.02			
5	64QAM	1	0	22.16	22.01	21.95			
5	64QAM	1	12	22.03	21.89	21.79			
5	64QAM	1	24	21.85	22.07	21.88	23.5	2	
5	64QAM	12	0	21.24	21.11	21.18			
5	64QAM	12	7	20.89	21.17	20.90			
5	64QAM	12	13	20.93	21.08	20.82			
5	64QAM	25	0	20.97	21.20	21.02			

Band 26 DS14 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				26765	26865	26965			
Frequency (MHz)				811.5	831.5	841.5			
15	QPSK	1	0	24.25	24.27	24.14	25.5	0	
15	QPSK	1	37	24.20	23.97	24.19			
15	QPSK	1	74	24.26	24.22	23.95			
15	QPSK	36	0	23.27	23.37	23.18			
15	QPSK	36	20	23.13	23.11	23.08	24.5	1	
15	QPSK	36	39	23.24	23.19	23.31			
15	QPSK	75	0	23.24	23.26	23.22			
15	16QAM	1	0	23.14	23.19	23.22			
15	16QAM	1	37	23.16	23.25	23.08	24.5	1	
15	16QAM	1	74	22.97	23.30	23.06			
15	16QAM	36	0	22.16	22.19	22.92			
15	16QAM	36	20	22.26	21.93	22.12			
15	16QAM	36	39	22.15	22.05	22.05	23.5	2	
15	16QAM	75	0	22.10	22.35	22.38			
15	64QAM	1	0	22.26	22.40	22.14			
15	64QAM	1	37	21.84	22.07	21.85			
15	64QAM	1	74	22.16	22.17	21.98	23.5	2	
15	64QAM	36	0	21.12	21.13	21.36			
15	64QAM	36	20	21.12	21.14	21.23			
15	64QAM	36	39	21.01	20.98	21.04			
15	64QAM	75	0	21.21	21.12	20.99	22.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.20	24.17	24.01	25.5	0	
10	QPSK	1	25	24.17	23.85	24.04			
10	QPSK	1	49	24.12	24.07	23.88			
10	QPSK	25	0	23.15	23.19	23.13			
10	QPSK	25	12	23.09	22.92	22.95	24.5	1	
10	QPSK	25	25	23.12	23.00	23.17			
10	QPSK	50	0	23.20	23.11	23.18			
10	16QAM	1	0	23.11	23.11	23.13			
10	16QAM	1	25	23.06	23.21	23.08	24.5	1	
10	16QAM	1	49	22.97	23.16	23.00			
10	16QAM	25	0	22.09	22.03	22.02			
10	16QAM	25	12	22.12	21.78	22.00			
10	16QAM	25	25	22.17	22.06	21.93	23.5	2	
10	16QAM	50	0	22.11	22.21	22.87			
10	64QAM	1	0	22.19	22.23	22.03			
10	64QAM	1	25	21.77	22.00	21.74			
10	64QAM	1	49	21.96	22.03	21.84	23.5	2	
10	64QAM	25	0	21.13	21.04	21.36			
10	64QAM	25	12	20.93	21.07	21.24			
10	64QAM	25	25	20.88	20.94	20.90			
10	64QAM	50	0	20.99	21.11	21.09	21.5		
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	24.26	24.26	23.92	25.5	0	
5	QPSK	1	12	24.10	23.84	24.08			
5	QPSK	1	24	24.23	24.05	23.79			
5	QPSK	12	0	23.07	23.21	23.10			
5	QPSK	12	7	23.08	23.14	22.89	24.5	1	
5	QPSK	12	13	23.10	23.00	23.16			
5	QPSK	25	0	23.26	23.09	23.05			
5	16QAM	1	0	23.07	23.06	23.05			
5	16QAM	1	12	23.13	23.19	23.09	24.5	1	
5	16QAM	1	24	22.77	23.15	22.83			
5	16QAM	12	0	22.17	22.20	21.86			
5	16QAM	12	7	22.05	21.76	22.10			
5	16QAM	12	13	22.12	22.03	21.93	23.5	2	
5	16QAM	25	0	21.88	22.30	22.27			
5	64QAM	1	0	22.04	22.30	21.94			
5	64QAM	1	12	21.96	21.94	21.91			
5	64QAM	1	24	22.11	22.03	21.92	23.5	2	
5	64QAM	12	0	21.06	21.02	21.33			
5	64QAM	12	7	21.00	21.06	21.21			
5	64QAM	12	13	20.96	20.93	20.83			
5	64QAM	25	0	21.05	20.98	20.86	22.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dbm)	MPR (db)	
3	QPSK	1	0	24.11	24.25	23.97	25.5	0	
3	QPSK	1	8	24.00	23.99	24.09			
3	QPSK	1	14	24.15	24.24	23.95			
3	QPSK	8	0	23.07	23.22	23.08			
3	QPSK	8	4	23.02	22.98	22.90	24.5	1	
3	QPSK	8	7	22.97	23.03	23.27			
3	QPSK	15	0	23.21	23.05	23.03			
3	16QAM	1	0	23.04	23.00	23.21			
3	16QAM	1	8	23.12	23.08	22.99	24.5	1	
3	16QAM	1	14	22.93	23.14	23.02			
3	16QAM	8	4	22.18	21.75	21.94	23.5	2	
3	16QAM	8	7	22.05	22.04	21.99			
3	16QAM	15	0	22.10	22.29	22.39			
3	64QAM	1	0	22.05	22.32	22.15			
3	64QAM	1	8	21.95	22.19	21.89	23.5	2	
3	64QAM	1	14	22.12	22.07	21.87			
3	64QAM	8	0	20.99	21.11	21.25			
3	64QAM	8	4	20.90	21.03	21.18			
3	64QAM	8	7	20.96	20.82	20.97	22.5	3	
3	64QAM	15	0	21.04	21.10	20.96			
Channel				26705	26865	27025			
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dbm)	MPR (db)	
1.4	QPSK	1	0	24.13	24.15	24.01	25.5	0	
1.4	QPSK	1	3	24.10	23.96	24.18			
1.4	QPSK	1	5	24.07	24.18	23.83			
1.4	QPSK	3	0	24.01	24.00	24.01			
1.4	QPSK	3	1	24.03	23.75	24.02	24.5	1	
1.4	QPSK	3	3	24.04	24.06	23.79			
1.4	QPSK	6	0	23.19	23.23	23.11			
1.4	16QAM	1	0	22.83	23.06	23.14			
1.4	16QAM	1	3	23.12	23.20	22.97	24.5	1	
1.4	16QAM	1	5	22.96	23.21	22.86			
1.4	16QAM	3	0	22.76	22.95	23.10			
1.4	16QAM	3	1	23.06	23.16	22.76			
1.4	16QAM	3	3	22.7	23.12	22.85	23.5	2	
1.4	16QAM	6	0	21.95	22.30	22.29			
1.4	64QAM	1	0	22.07	22.01	21.96			
1.4	64QAM	1	3	21.88	22.08	21.74			
1.4	64QAM	1	5	22.10	22.17	21.89	23.5	2	
1.4	64QAM	3	0	22.03	22.19	21.80			
1.4	64QAM	3	1	21.77	22.04	21.68			
1.4	64QAM	3	3	21.84	22.08	21.88			
1.4	64QAM	6	0	21.08	21.08	20.82	22.5	3	

Band 38 DS14 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.09	20.24	20.03	21	0	
20	QPSK	1	49	20.14	19.97	20.08			
20	QPSK	1	99	19.94	19.88	19.85			
20	QPSK	50	0	20.04	20.16	19.86	21	0	
20	QPSK	50	24	20.05	19.89	20.01			
20	QPSK	50	50	19.73	19.89	19.85			
20	QPSK	100	0	20.06	20.12	19.82	21	0	
20	16QAM	1	0	20.12	19.99	20.02			
20	16QAM	1	49	19.86	19.80	19.86			
20	16QAM	1	99	19.96	20.03	20.01	21	0	
20	16QAM	50	0	20.04	19.81	20.00			
20	16QAM	50	24	20.08	20.16	20.04			
20	16QAM	50	50	20.16	19.86	19.94	21	0	
20	16QAM	100	0	20.04	20.10	20.04			
20	64QAM	1	0	20.15	19.87	19.93			
20	64QAM	1	49	19.77	19.76	19.72	21	0	
20	64QAM	1	99	19.94	19.91	20.08			
20	64QAM	50	0	19.83	19.88	19.68			
20	64QAM	50	24	20.08	20.11	20.03	21	0	
20	64QAM	50	50	20.11	19.79	20.09			
20	64QAM	100	0	19.90	19.86	19.73			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.96	20.14	19.91	21	0	
15	QPSK	1	37	20.16	19.77	19.94			
15	QPSK	1	74	19.79	19.79	19.68			
15	QPSK	36	0	19.93	19.97	19.86	21	0	
15	QPSK	36	20	19.87	19.71	19.86			
15	QPSK	36	39	20.13	19.81	19.99			
15	QPSK	75	0	19.84	19.82	19.68	21	0	
15	16QAM	1	0	19.99	20.07	19.76			
15	16QAM	1	37	19.69	19.67	19.69			
15	16QAM	1	74	19.88	19.84	19.87	21	0	
15	16QAM	36	0	20.03	19.65	19.96			
15	16QAM	36	20	19.91	20.13	19.89			
15	16QAM	36	39	20.12	19.77	19.78	21	0	
15	16QAM	75	0	19.94	20.03	19.92			
15	64QAM	1	0	20.15	19.79	20.06			
15	64QAM	1	37	19.93	19.86	19.81	21	0	
15	64QAM	1	74	20.06	19.99	19.84			
15	64QAM	36	0	19.96	19.77	19.94			
15	64QAM	36	20	19.88	19.85	19.82	21	0	
15	64QAM	36	39	19.94	20.05	19.85			
15	64QAM	75	0	19.88	19.88	19.74			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.93	20.17	20.03	21	0	
10	QPSK	1	25	19.97	19.95	20.00			
10	QPSK	1	49	19.83	19.90	19.77			
10	QPSK	25	0	20.10	19.92	19.95	21	0	
10	QPSK	25	12	19.94	19.73	19.72			
10	QPSK	25	25	19.89	19.96	19.82			
10	QPSK	50	0	19.89	19.99	19.81	21	0	
10	16QAM	1	0	20.06	19.80	19.91			
10	16QAM	1	25	19.76	19.79	19.75			
10	16QAM	1	49	19.81	19.86	19.97	21	0	
10	16QAM	25	0	19.97	19.75	19.79			
10	16QAM	25	12	19.94	20.17	19.94			
10	16QAM	25	25	20.16	19.68	19.85	21	0	
10	16QAM	50	0	19.84	19.97	19.88			
10	64QAM	1	0	19.97	19.73	19.72			
10	64QAM	1	25	19.76	19.72	19.69	21	0	
10	64QAM	1	49	19.90	19.78	20.04			
10	64QAM	25	0	20.05	19.90	20.10			
10	64QAM	25	12	19.90	19.80	19.76	21	0	
10	64QAM	25	25	19.92	20.03	19.68			
10	64QAM	50	0	19.69	19.71	19.74			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.04	20.12	19.85	21	0	
5	QPSK	1	12	19.99	19.77	20.05			
5	QPSK	1	24	19.85	19.85	19.79			
5	QPSK	12	0	19.98	19.83	19.95	21	0	
5	QPSK	12	7	19.81	19.72	19.83			
5	QPSK	12	13	20.06	19.90	19.84			
5	QPSK	25	0	20.03	19.91	19.81	21	0	
5	16QAM	1	0	19.93	19.87	19.99			
5	16QAM	1	12	19.70	19.64	19.64			
5	16QAM	1	24	19.77	19.83	19.99	21	0	
5	16QAM	12	0	19.87	19.70	19.85			
5	16QAM	12	7	19.87	19.97	20.00			
5	16QAM	12	13	20.02	19.75	19.82	21	0	
5	16QAM	25	0	19.88	20.07	19.86			
5	64QAM	1	0	19.96	19.75	19.71			
5	64QAM	1	12	19.56	19.74	19.65	21	0	
5	64QAM	1	24	19.80	19.83	19.92			
5	64QAM	12	0	19.94	19.99	20.06			
5	64QAM	12	7	19.93	19.70	19.84	21	0	
5	64QAM	12	13	19.86	20.06	19.82			
5	64QAM	25	0	19.83	19.71	19.53			

Band 41 DS14 Ant2										
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	20.37	20.27	20.55	20.52	20.43	21.5	0
20	QPSK	1	49	20.47	20.43	20.54	20.42	20.47		
20	QPSK	1	99	20.48	20.29	20.35	20.37	20.32		
20	QPSK	50	0	20.37	20.33	20.50	20.46	20.30	21.5	0
20	QPSK	50	24	20.36	20.39	20.38	20.43	20.32		
20	QPSK	50	50	20.29	20.14	20.26	20.16	20.25		
20	QPSK	100	0	20.30	20.25	20.36	20.35	20.24	21.5	0
20	16QAM	1	0	20.43	20.36	20.47	20.35	20.45		
20	16QAM	1	49	20.40	20.23	20.23	20.34	20.24		
20	16QAM	1	99	20.38	20.24	20.38	20.39	20.43	21.5	0
20	16QAM	50	0	20.45	20.41	20.53	20.43	20.26		
20	16QAM	50	24	20.29	20.30	20.23	20.32	20.28		
20	16QAM	50	50	20.38	20.39	20.45	20.31	20.34	21.5	0
20	16QAM	100	0	20.38	20.25	20.37	20.21	20.29		
20	64QAM	1	0	20.48	20.31	20.22	20.37	20.30		
20	64QAM	1	49	20.31	20.25	20.33	20.38	20.39	21.5	0
20	64QAM	1	99	20.48	20.35	20.32	20.21	20.41		
20	64QAM	50	0	20.47	20.35	20.31	20.20	20.26		
20	64QAM	50	24	20.29	20.10	20.45	20.54	20.43	21.5	0
20	64QAM	50	50	20.29	20.27	20.45	20.34	20.37		
20	64QAM	100	0	20.45	20.40	20.15	20.31	20.27		
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	20.25	20.31	20.33	20.35	20.44	21.50	0
15	QPSK	1	37	20.46	20.35	20.38	20.33	20.36		
15	QPSK	1	74	20.43	20.48	20.18	20.37	20.10		
15	QPSK	36	0	20.21	20.30	20.38	20.40	20.15	21.5	0
15	QPSK	36	20	20.26	20.28	20.16	20.27	20.22		
15	QPSK	36	39	20.21	20.22	20.19	20.15	20.05		
15	QPSK	75	0	20.17	20.19	20.17	20.34	20.18	21.5	0
15	16QAM	1	0	20.44	20.26	20.41	20.32	20.41		
15	16QAM	1	37	20.37	20.32	20.03	20.16	20.11		
15	16QAM	1	74	20.20	20.19	20.36	20.25	20.29	21.5	0
15	16QAM	36	0	20.35	20.36	20.43	20.31	20.13		
15	16QAM	36	20	20.16	20.21	20.20	20.25	20.29		
15	16QAM	36	39	20.25	20.31	20.38	20.27	20.20	21.5	0
15	16QAM	75	0	20.33	20.33	20.23	20.15	20.14		
15	64QAM	1	0	20.36	20.30	20.13	20.34	20.24		
15	64QAM	1	37	20.25	20.32	20.16	20.20	20.28	21.5	0
15	64QAM	1	74	20.30	20.45	20.15	20.01	20.29		
15	64QAM	36	0	20.32	20.47	20.12	20.16	20.13		
15	64QAM	36	20	20.11	20.17	20.30	20.35	20.32	21.5	0
15	64QAM	36	39	20.30	20.19	20.28	20.31	20.17		
15	64QAM	75	0	20.45	20.40	19.96	20.15	20.17		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.34	20.39	20.42	20.37	20.39	21.50	0
10	QPSK	1	25	20.42	20.36	20.44	20.23	20.38		
10	QPSK	1	49	20.47	20.33	20.21	20.32	20.18		
10	QPSK	25	0	20.25	20.24	20.36	20.34	20.28	21.5	0
10	QPSK	25	12	20.25	20.23	20.32	20.32	20.18		
10	QPSK	25	25	20.28	20.26	20.36	20.35	20.19		
10	QPSK	50	0	20.13	20.21	20.35	20.25	20.16	21.5	0
10	16QAM	1	0	20.37	20.26	20.32	20.32	20.24		
10	16QAM	1	25	20.38	20.39	20.08	20.34	20.08		
10	16QAM	1	49	20.23	20.22	20.27	20.28	20.45	21.5	0
10	16QAM	25	0	20.46	20.49	20.53	20.36	20.12		
10	16QAM	25	12	20.30	20.23	20.10	20.16	20.25		
10	16QAM	25	25	20.34	20.31	20.37	20.12	20.21	21.5	0
10	16QAM	50	0	20.29	20.40	20.34	20.13	20.26		
10	64QAM	1	0	20.38	20.43	20.24	20.25	20.15		
10	64QAM	1	25	20.24	20.29	20.14	20.24	20.17	21.5	0
10	64QAM	1	49	20.34	20.45	20.21	20.09	20.27		
10	64QAM	25	0	20.48	20.27	20.16	20.15	20.25		
10	64QAM	25	12	20.15	20.28	20.34	20.36	20.40	21.5	0
10	64QAM	25	25	20.15	20.29	20.40	20.33	20.24		
10	64QAM	50	0	20.34	20.44	20.22	20.27	20.05		
Channel				39675	40148	40620	41053	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.18	20.37	20.53	20.31	20.33	21.50	0
5	QPSK	1	12	20.47	20.34	20.40	20.32	20.33		
5	QPSK	1	24	20.40	20.32	20.15	20.22	20.26		
5	QPSK	12	0	20.18	20.18	20.45	20.26	20.15	21.5	0
5	QPSK	12	7	20.17	20.27	20.24	20.35	20.20		
5	QPSK	12	13	20.25	20.28	20.12	20.01	20.24		
5	QPSK	25	0	20.17	20.11	20.20	20.25	20.08	21.5	0
5	16QAM	1	0	20.42	20.34	20.28	20.31	20.41		
5	16QAM	1	12	20.28	20.38	20.19	20.27	20.14		
5	16QAM	1	24	20.21	20.18	20.36	20.36	20.25	21.5	0
5	16QAM	12	0	20.41	20.27	20.35	20.33	20.10		
5	16QAM	12	7	20.10	20.28	20.16	20.16	20.26		
5	16QAM	12	13	20.23	20.26	20.41	20.26	20.30	21.5	0
5	16QAM	25	0	20.19	20.21	20.32	20.20	20.19		
5	64QAM	1	0	20.48	20.48	20.17	20.21	20.14		
5	64QAM	1	12	20.26	20.23	20.14	20.19	20.36	21.5	0
5	64QAM	1	24	20.49	20.35	20.20	20.17	20.33		
5	64QAM	12	0	20.45	20.31	20.21	20.21	20.08		
5	64QAM	12	7	20.29	20.24	20.30	20.46	20.29	21.5	0
5	64QAM	12	13	20.22	20.26	20.35	20.31	20.19		
5	64QAM	25	0	20.32	20.43	20.03	20.21	20.28		



Uplink CA Power

Ant 1 Full Power		DS1&2								
CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t_MPR Leve	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	22.42	24.00
21100	20902	QPSK	1	0	1	99	1	0	23.05	24.00
21350	21152	QPSK	1	0	1	99	1	0	23.06	24.00
20850	21048	QPSK	1	49	50	0	1	0	21.59	23.00
21100	20902	QPSK	50	0	1	49	1	0	21.86	23.00
21350	21152	QPSK	50	0	1	49	1	0	21.63	23.00

Ant 1 Full Power			DS1&2							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t.MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	23.94	25.50
37901	37703	QPSK	1	0	1	99	1	0	23.98	25.50
38150	37952	QPSK	1	0	1	99	1	0	23.72	25.50
37850	38048	QPSK	1	49	50	0	1	0	22.77	24.50
37901	37703	QPSK	50	0	1	49	1	0	22.81	24.50
38150	37952	QPSK	50	0	1	49	1	0	22.72	24.50

Ant 2 Full Power		DSI2								
CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t_MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	22.27	24.00
21100	20902	QPSK	1	0	1	99	1	0	23.02	24.00
21350	21152	QPSK	1	0	1	99	1	0	22.31	24.00
20850	21048	QPSK	1	49	50	0	1	0	21.30	23.00
21100	20902	QPSK	50	0	1	49	1	0	21.34	23.00
21350	21152	QPSK	50	0	1	49	1	0	21.26	23.00

Ant 2 Full Power			DSI2							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t_MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	23.16	25.50
37901	37703	QPSK	1	0	1	99	1	0	24.10	25.50
38150	37952	QPSK	1	0	1	99	1	0	23.06	25.50
37850	38048	QPSK	1	49	50	0	1	0	22.61	24.50
37901	37703	QPSK	50	0	1	49	1	0	22.72	24.50
38150	37952	QPSK	50	0	1	49	1	0	22.54	24.50

Ant 1 Down Power			DSI4							
CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t MPR Leve	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	17.28	18.00
21100	20902	QPSK	1	0	1	99	1	0	17.16	18.00
21350	21152	QPSK	1	0	1	99	1	0	17.33	18.00
20850	21048	QPSK	1	49	50	0	1	0	17.21	18.00
21100	20902	QPSK	50	0	1	49	1	0	17.11	18.00
21350	21152	QPSK	50	0	1	49	1	0	17.20	18.00

Ant 1 Down Power			DSI4							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t.MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	19.27	20.00
37901	37703	QPSK	1	0	1	99	1	0	19.56	20.00
38150	37952	QPSK	1	0	1	99	1	0	19.41	20.00
37850	38048	QPSK	1	49	50	0	1	0	19.60	20.00
37901	37703	QPSK	50	0	1	49	1	0	19.63	20.00
38150	37952	QPSK	50	0	1	49	1	0	19.56	20.00

Ant 2 Down Power			DS1&4							
CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t MPR Leve	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	1	0	17.28	18.00
21100	20902	QPSK	1	0	1	99	1	0	17.33	18.00
21350	21152	QPSK	1	0	1	99	1	0	17.16	18.00
20850	21048	QPSK	1	49	50	0	1	0	17.05	18.00
21100	20902	QPSK	50	0	1	49	1	0	17.18	18.00
21350	21152	QPSK	50	0	1	49	1	0	17.06	18.00

Ant 2 Down Power			DSI1							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	20.51	22.00
37901	37703	QPSK	1	0	1	99	1	0	20.63	22.00
38150	37952	QPSK	1	0	1	99	1	0	20.48	22.00
37850	38048	QPSK	1	49	50	0	1	0	20.38	22.00
37901	37703	QPSK	50	0	1	49	1	0	20.52	22.00
38150	37952	QPSK	50	0	1	49	1	0	20.51	22.00

Ant 2 Down Power			DSI4							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	t.MPR Leve	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	19.38	21.00
37901	37703	QPSK	1	0	1	99	1	0	19.51	21.00
38150	37952	QPSK	1	0	1	99	1	0	19.28	21.00
37850	38048	QPSK	1	49	50	0	1	0	19.18	21.00
37901	37703	QPSK	50	0	1	49	1	0	19.43	21.00
38150	37952	QPSK	50	0	1	49	1	0	19.35	21.00

Ant 1 Full Power		DS1&2								
CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	jet MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	1	0	23.80	25.50
40185	40383	QPSK	1	0	1	99	1	0	23.64	25.50
40620	40818	QPSK	1	0	1	99	1	0	24.01	25.50
41055	41253	QPSK	1	0	1	99	1	0	23.74	25.50
41490	41292	QPSK	1	0	1	99	1	0	23.86	25.50
39750	39948	QPSK	1	49	50	0	1	0	22.79	24.50
40185	40383	QPSK	50	0	1	49	1	0	22.73	24.50
40620	40818	QPSK	50	0	1	49	1	0	23.22	24.50
41055	41253	QPSK	50	0	1	49	1	0	22.69	24.50
41490	41292	QPSK	50	0	1	49	1	0	22.94	24.50

Ant 2 Full Power		DSi2								
CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	jet MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	1	0	24.16	25.50
40185	40383	QPSK	1	0	1	99	1	0	24.32	25.50
40620	40818	QPSK	1	0	1	99	1	0	24.44	25.50
41055	41253	QPSK	1	0	1	99	1	0	24.35	25.50
41490	41292	QPSK	1	0	1	99	1	0	24.22	25.50
39750	39948	QPSK	1	49	50	0	1	0	23.30	24.50
40185	40383	QPSK	50	0	1	49	1	0	23.26	24.50
40620	40818	QPSK	50	0	1	49	1	0	23.64	24.50
41055	41253	QPSK	50	0	1	49	1	0	23.29	24.50
41490	41292	QPSK	50	0	1	49	1	0	23.24	24.50

Ant 1 Down Power		DS14									
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	jet MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	1	0	19.85	20.50	
40185	40383	QPSK	1	0	1	99	1	0	19.67	20.50	
40620	40818	QPSK	1	0	1	99	1	0	19.99	20.50	
41055	41253	QPSK	1	0	1	99	1	0	19.95	20.50	
41490	41292	QPSK	1	0	1	99	1	0	19.64	20.50	
39750	39948	QPSK	1	49	50	0	1	0	19.91	20.50	
40185	40383	QPSK	50	0	1	49	1	0	19.62	20.50	
40620	40818	QPSK	50	0	1	49	1	0	19.91	20.50	
41055	41253	QPSK	50	0	1	49	1	0	19.85	20.50	
41490	41292	QPSK	50	0	1	49	1	0	19.65	20.50	

Ant 2 Down Power			DS11								
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	jet MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	1	0	20.81	22.00	
40185	40383	QPSK	1	0	1	99	1	0	20.69	22.00	
40620	40818	QPSK	1	0	1	99	1	0	20.93	22.00	
41055	41253	QPSK	1	0	1	99	1	0	20.75	22.00	
41490	41292	QPSK	1	0	1	99	1	0	20.77	22.00	
39750	39948	QPSK	1	49	50	0	1	0	20.72	22.00	
40185	40383	QPSK	50	0	1	49	1	0	20.81	22.00	
40620	40818	QPSK	50	0	1	49	1	0	20.96	22.00	
41055	41253	QPSK	50	0	1	49	1	0	20.76	22.00	
41490	41292	QPSK	50	0	1	49	1	0	20.81	22.00	

Ant 2 Down Power		DS14									
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	jet MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	1	0	19.98	21.50	
40185	40383	QPSK	1	0	1	99	1	0	19.95	21.50	
40620	40818	QPSK	1	0	1	99	1	0	20.32	21.50	
41055	41253	QPSK	1	0	1	99	1	0	20.19	21.50	
41490	41292	QPSK	1	0	1	99	1	0	20.24	21.50	
39750	39948	QPSK	1	49	50	0	1	0	19.98	21.50	
40185	40383	QPSK	50	0	1	49	1	0	19.91	21.50	
40620	40818	QPSK	50	0	1	49	1	0	20.34	21.50	
41055	41253	QPSK	50	0	1	49	1	0	20.14	21.50	
41490	41292	QPSK	50	0	1	49	1	0	20.18	21.50	

DL CA Power

2CA DL

Configure	PCC										SCC				Power	
	LTE	Ant	BW	UL		Mod.	UL#	UL		LTE	BW	DL		Tx. Power	Without CA	
	Band			Freq. (MHz)	Channel			RB	Offset			Band	Freq. (MHz)			Channel
CA_2C	Band 2	1	20M	1880	18900	QPSK	1	0	0	Band 2	20M	1979.8	1098	23.95	24.01	
	Band 2	2	20M	1880	18900	QPSK	1	0	0	Band 2	20M	1979.8	1098	24.43	24.59	
	Band 2	4	20M	1880	18900	QPSK	1	0	0	Band 2	20M	1979.8	1098	23.79	23.81	
CA_2A-4A	Band 2	1	20M	1880	18900	QPSK	1	0	0	Band 4	20M	2132.5	2175	23.89	24.01	
	Band 2	2	20M	1880	18900	QPSK	1	0	0	Band 4	20M	2132.5	2175	24.58	24.59	
	Band 2	4	20M	1880	18900	QPSK	1	0	0	Band 4	20M	2132.5	2175	23.77	23.81	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	0	Band 2	20M	1960	900	24.26	24.33	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	0	Band 2	20M	1960	900	24.51	24.68	
CA_2A-5A	Band 2	1	20M	1880	18900	QPSK	1	0	0	Band 5	10M	881.5	2525	23.85	24.01	
	Band 2	2	20M	1880	18900	QPSK	1	0	0	Band 5	10M	881.5	2525	24.59	24.59	
	Band 2	4	20M	1880	18900	QPSK	1	0	0	Band 5	10M	881.5	2525	23.66	23.81	
	Band 5	1	10M	836.5	20525	QPSK	1	0	0	Band 2	20M	1960	900	24.43	24.42	
	Band 5	2	10M	836.5	20525	QPSK	1	0	0	Band 2	20M	1960	900	24.55	24.73	
CA_2A-7A	Band 2	1	20M	1880	18900	QPSK	1	0	0	Band 7	20M	2655	3100	23.94	24.01	
	Band 2	2	20M	1880	18900	QPSK	1	0	0	Band 7	20M	2655	3100	24.61	24.59	
	Band 2	4	20M	1880	18900	QPSK	1	0	0	Band 7	20M	2655	3100	23.72	23.81	
	Band 7	1	20M	2535	21100	QPSK	1	0	0	Band 2	20M	1960	900	23.38	23.39	
	Band 7	2	20M	2535	21100	QPSK	1	0	0	Band 2	20M	1960	900	23.07	23.16	
CA_4A-5A	Band 7	4	20M	2535	21100	QPSK	1	0	0	Band 2	20M	1960	900	21.96	22.15	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	0	Band 5	10M	881.5	2525	24.18	24.33	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	0	Band 5	10M	881.5	2525	24.60	24.68	
	Band 5	1	10M	836.5	20525	QPSK	1	0	0	Band 4	20M	2132.5	2175	24.23	24.42	
	Band 5	2	10M	836.5	20525	QPSK	1	0	0	Band 4	20M	2132.5	2175	24.74	24.73	
CA_4A-7A	Band 4	1	20M	1732.5	20175	QPSK	1	0	0	Band 7	20M	2655	3100	24.16	24.33	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	0	Band 7	20M	2655	3100	24.57	24.68	
	Band 7	1	20M	2535	21100	QPSK	1	0	0	Band 7	20M	2655	3100	23.34	23.39	
	Band 7	2	20M	2535	21100	QPSK	1	0	0	Band 4	20M	2132.5	2175	23.01	23.16	
CA_5A-7A	Band 7	4	20M	2535	21100	QPSK	1	0	0	Band 4	20M	2132.5	2175	22.02	22.15	
	Band 5	1	10M	836.5	20525	QPSK	1	0	0	Band 7	20M	2655	3100	24.41	24.42	
	Band 5	2	10M	836.5	20525	QPSK	1	0	0	Band 7	20M	2655	3100	24.58	24.73	
	Band 7	1	20M	2535	21100	QPSK	1	0	0	Band 5	10M	881.5	2525	23.19	23.39	
	Band 7	2	20M	2535	21100	QPSK	1	0	0	Band 5	10M	881.5	2525	23.02	23.16	
CA_5A-41A	Band 7	4	20M	2535	21100	QPSK	1	0	0	Band 5	10M	881.5	2525	22.06	22.15	
	Band 5	1	10M	836.5	20525	QPSK	1	0	0	Band 41	20M	856.3	20723	24.30	24.42	
	Band 5	2	10M	836.5	20525	QPSK	1	0	0	Band 41	20M	856.3	20723	24.74	24.73	
	Band 41	1	20M	2593	40620	QPSK	1	0	0	Band 5	10M	881.5	2525	24.05	24.22	
	Band 41	2	20M	2593	40620	QPSK	1	0	0	Band 5	10M	881.5	2525	24.50	24.70	
CA_7A-7A	Band 7	1	20M	2535	21100	QPSK	1	0	0	Band 7	5M	2687.5	3425	23.27	23.39	
	Band 7	2	20M	2535	21100	QPSK	1	0	0	Band 7	5M	2687.5	3425	22.99	23.16	
	Band 7	4	20M	2535	21100	QPSK	1	0	0	Band 7	5M	2687.5	3425	22.14	22.15	
CA_7C	Band 7	1	20M	2535	21100	QPSK	1	0	0	Band 7	20M	2674.8	3298	23.35	23.39	
	Band 7	2	20M	2535	21100	QPSK	1	0	0	Band 7	20M	2674.8	3298	22.97	23.16	
	Band 7	4	20M	2535	21100	QPSK	1	0	0	Band 7	20M	2674.8	3298	22.09	22.15	
CA_38C	Band 38	1	20M	2595	38000	QPSK	1	0	0	Band 38	20M	2617.5	38225	24.19	24.20	
	Band 38	2	20M	2595	38000	QPSK	1	0	0	Band 38	20M	2617.5	38225	24.43	24.64	
CA_38A-38A	Band 38	1	20M	2595	38000	QPSK	1	0	0	Band 38	5M	2617.5	38225	24.13	24.20	
	Band 38	2	20M	2595	38000	QPSK	1	0	0	Band 38	5M	2617.5	38225	24.52	24.64	
CA_41C	Band 41	1	20M	2593	40620	QPSK	1	0	0	Band 41	20M	2612.8	40818	24.21	24.22	
	Band 41	2	20M	2593	40620	QPSK	1	0	0	Band 41	20M	2612.8	40818	24.60	24.70	
CA_41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	0	Band 41	5M	2687.5	41565	24.22	24.22	
	Band 41	2	20M	2593	40620	QPSK	1	0	0	Band 41	5M	2687.5	41565	24.69	24.70	

WLAN/Bluetooth Power

	Full Power					Receiver on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.85	19.50	16.61	18.50	98.31
		6	2437	17.49	19.00	16.54	18.50	
		11	2462	17.52	19.50	16.59	18.50	
	802.11g 6Mbps	1	2412	18.26	19.50	Nont Required	18.50	97.45
		6	2437	18.00	19.50		18.50	
		11	2462	18.03	19.50		18.50	
	802.11n-HT20 MCS0	1	2412	16.77	18.50	Nont Required	18.50	97.30
		6	2437	16.55	18.50		18.50	
		11	2462	16.76	18.50		18.50	

	Full Power					Receiver on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.05	15.50	Nont Required	13.00	97.46
		40	5200	13.89	15.50		13.00	
		44	5220	13.66	15.50		13.00	
		48	5240	13.18	14.50		13.00	
	802.11n-HT20 MCS0	36	5180	13.84	15.50		13.00	97.30
		40	5200	13.69	15.00		13.00	
		44	5220	13.39	15.00		13.00	
		48	5240	13.09	14.50		13.00	
	802.11n-HT40 MCS0	38	5190	14.24	15.50		13.00	94.89
		46	5230	13.95	15.50		13.00	
	802.11ac-VHT20 MCS0	36	5180	13.76	15.50		13.00	97.43
		40	5200	13.67	15.00		13.00	
		44	5220	13.37	15.00		13.00	
		48	5240	13.05	14.50		13.00	
	802.11ac-VHT40 MCS0	38	5190	14.19	15.50		13.00	94.97
		46	5230	13.87	15.50		13.00	
	802.11ac-VHT80 MCS0	42	5210	13.72	15.00	11.75	13.00	89.60

	Full Power					Receiver on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	13.08	14.50	Nont Required	13.00	97.46
		56	5280	13.19	14.50		13.00	
		60	5300	13.33	14.50		13.00	
		64	5320	13.78	15.50		13.00	
	802.11n-HT20 MCS0	52	5260	13.14	14.50		13.00	97.30
		56	5280	13.17	14.50		13.00	
		60	5300	13.20	14.50		13.00	
		64	5320	13.59	15.00		13.00	
	802.11n-HT40 MCS0	54	5270	13.46	15.00		13.00	94.89
		62	5310	13.71	15.50		13.00	
	802.11ac-VHT20 MCS0	52	5260	13.04	14.50		13.00	97.43
		56	5280	13.09	14.50		13.00	
		60	5300	13.15	14.50		13.00	
		64	5320	13.46	15.00		13.00	
	802.11ac-VHT40 MCS0	54	5270	13.39	15.00		13.00	94.97
		62	5310	13.67	15.50		13.00	
	802.11ac-VHT80 MCS0	58	5290	13.39	15.00	11.44	13.00	89.6

	Full Power					Receiver on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.57	15.00	Nont Required	12.50	97.46
		116	5580	13.46	15.00		12.50	
		124	5620	13.62	15.00		12.50	
		132	5660	14.03	15.50		12.50	
		140	5700	14.09	15.50		12.50	
	802.11n-HT20 MCS0	100	5500	13.50	15.00		12.50	97.30
		116	5580	13.25	15.00		12.50	
		124	5620	13.59	15.50		12.50	
		132	5660	13.97	15.50		12.50	
	802.11n-HT40 MCS0	102	5510	13.92	15.50		12.50	94.89
		110	5550	13.85	15.50		12.50	
		126	5630	14.15	15.50		12.50	
		134	5670	14.38	16.00		12.50	
	802.11ac-VHT20 MCS0	100	5500	13.43	15.00		12.50	97.43
		116	5580	13.23	15.00		12.50	
		124	5620	13.50	15.00		12.50	
		132	5660	13.88	15.50		12.50	
	802.11ac-VHT40 MCS0	102	5510	13.87	15.50		12.50	94.97
		110	5550	13.79	15.50		12.50	
		126	5630	14.09	15.50		12.50	
		134	5670	14.31	16.00		12.50	
	802.11ac-VHT80 MCS0	106	5530	13.55	15.00	10.59	12.50	89.60
		122	5610	13.63	15.00	10.61	12.50	

	Full Power					Receiver on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.93	15.50	Nont Required	13.50	97.46
		157	5785	13.77	15.50		13.50	
		161	5805	13.75	15.50		13.50	
	802.11n-HT20 MCS0	149	5745	13.73	15.00		13.50	97.30
		157	5785	13.64	15.00		13.50	
		161	5805	13.55	15.00		13.50	
	802.11n-HT40 MCS0	151	5755	14.20	15.50		13.50	94.89
		159	5795	14.00	15.50		13.50	
		149	5745	13.64	15.00		13.50	
	802.11ac-VHT20 MCS0	157	5785	13.59	15.00		13.50	97.43
		161	5805	13.56	15.00		13.50	
	802.11ac-VHT40 MCS0	151	5755	14.05	15.50		13.50	94.97
		159	5795	13.95	15.50		13.50	
	802.11ac-VHT80 MCS0	155	5775	14.07	15.50	12.11	13.50	89.6



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.36	4.82	4.88
	CH 39	2441	9.47	5.20	5.31
	CH 78	2480	9.77	5.69	5.70
Tune-up Limit			11	11	11

BT LE

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	0.82
	CH 19	2440	0.86
	CH 39	2480	1.22
Tune-up Limit			2