

10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6%
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6%
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6%
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6%
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6%
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.48	±9.6%
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6%
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6%
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6%
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6%
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6%
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6%
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6%
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6%
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6%
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6%
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6%
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6%
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6%
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6%
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6%
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6%
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6%
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6%
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6%
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6%
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6%
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6%
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6%
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6%
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6%
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6%
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6%
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6%
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6%
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6%
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6%
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6%
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6%
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6%
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6%
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6%
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6%
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6%
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6%
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6%
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6%
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6%
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6%
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6%

10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6%
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6%
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6%
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6%
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6%
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6%
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6%
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6%
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6%
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6%
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6%
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6%
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6%
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6%
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6%
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6%
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6%
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6%
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6%
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6%
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6%
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6%
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6%
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6%
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6%
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6%
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6%
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6%
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6%
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6%
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6%
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6%
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6%
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6%
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6%
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6%
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6%
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6%
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6%
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6%
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6%
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6%
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6%
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6%
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6%
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6%
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6%
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6%
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6%
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6%
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6%
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6%
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6%
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6%
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6%
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6%
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6%
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6%
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6%
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6%
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6%
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6%
10653	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6%
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6%

10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6 %

10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 9.6 %

<sup>8</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



**Appendix E. Conducted RF Output Power Table**

The detailed power table are shown as follows.



**Full Power**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		848.8	824.2	836.4	
GSM 1 Tx slot	33.15	33.20	33.28	33.50	24.15	24.20	24.28	24.50
GPRS 1 Tx slot	33.14	33.18	33.27	33.50	24.14	24.18	24.27	24.50
GPRS 2 Tx slots	29.76	29.62	29.57	30.50	23.76	23.62	23.57	24.50
GPRS 3 Tx slots	27.67	27.64	27.42	28.50	23.41	23.38	23.16	24.24
GPRS 4 Tx slots	26.04	26.04	26.06	27.00	23.04	23.04	23.06	24.00
EDGE 1 Tx slot	26.56	26.49	26.42	27.50	17.56	17.49	17.42	18.50
EDGE 2 Tx slots	26.38	26.28	26.26	27.00	20.38	20.29	20.26	21.00
EDGE 3 Tx slots	24.96	24.87	24.83	25.50	20.70	20.61	20.57	21.24
EDGE 4 Tx slots	23.55	23.50	23.29	24.50	20.55	20.50	20.29	21.50

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	681	810		512	681	810	
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880	
GSM 1 Tx slot	29.62	29.74	29.77	30.50	20.62	20.74	20.77	21.50
GPRS 1 Tx slot	29.61	29.73	29.76	30.50	20.61	20.73	20.76	21.50
GPRS 2 Tx slots	26.40	26.49	26.57	27.50	20.40	20.49	20.57	21.50
GPRS 3 Tx slots	24.57	24.57	24.64	25.50	20.31	20.31	20.38	21.24
GPRS 4 Tx slots	22.95	23.07	23.10	24.00	19.95	20.07	20.10	21.00
EDGE 1 Tx slot	25.55	25.75	25.89	26.50	16.55	16.75	16.89	17.50
EDGE 2 Tx slots	25.40	25.58	25.66	26.50	19.40	19.58	19.66	20.50
EDGE 3 Tx slots	23.49	23.65	23.78	24.50	19.23	19.39	19.52	20.24
EDGE 4 Tx slots	22.17	22.30	22.34	23.50	19.17	19.30	19.34	20.50

Band	WCDMA #	Tx Channel	Rx Channel	Frequency (MHz)	Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
						1512	1413	1513		4132	4102	4233	
						1537	1638	1738		4337	4407	4458	
3GPP Rel 99	AMR 12.2kQps	23.58	23.60	23.96	24.00	23.53	23.54	23.55	24.00	23.26	23.30	23.35	24.00
3GPP Rel 99	RM-C 12.2kQps	23.59	23.62	23.38	24.00	23.54	23.55	23.56	24.00	23.27	23.31	23.37	24.00
3GPP Rel 6	HSDPA Subtest-1	22.30	22.29	22.13	23.00	22.36	22.35	22.34	23.00	22.24	22.24	22.38	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.26	22.13	23.00	22.08	22.26	22.32	23.00	22.24	22.24	22.36	23.00
3GPP Rel 6	HSDPA Subtest-3	21.80	21.79	21.61	22.50	21.85	21.82	21.84	22.50	21.72	21.76	21.87	22.50
3GPP Rel 6	HSDPA Subtest-4	21.77	21.80	21.62	22.50	21.85	21.84	21.81	22.50	21.73	21.77	21.85	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.31	22.06	22.32	23.00	22.33	22.37	22.38	23.00	22.31	22.26	22.27	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.28	22.06	22.32	23.00	22.05	22.28	22.10	23.00	22.29	22.26	22.27	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.81	21.54	21.82	22.50	21.82	21.84	21.87	22.50	21.80	21.74	21.79	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.82	21.55	21.79	22.50	21.82	21.86	21.87	22.50	21.78	21.75	21.80	22.50
3GPP Rel 6	HSUPA Subtest-1	22.28	22.28	22.15	23.00	22.25	22.16	22.30	23.00	22.18	22.22	22.44	23.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.29	20.13	21.00	20.26	20.13	20.26	21.00	20.17	20.18	20.40	21.00
3GPP Rel 6	HSUPA Subtest-3	21.30	21.30	21.19	22.00	21.25	21.25	21.27	22.00	21.23	21.20	21.41	22.00
3GPP Rel 6	HSUPA Subtest-4	20.32	20.30	20.16	21.00	20.27	20.27	20.27	21.00	20.17	20.21	20.36	21.00
3GPP Rel 6	HSUPA Subtest-5	22.40	22.30	22.20	23.00	22.20	22.30	22.30	23.00	22.20	22.20	22.40	23.00



Band 2 (1800MHz Band)									
Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.00	23.15	23.04			
20	QPSK	1	49	22.97	22.76	22.97	24	0	
20	QPSK	1	99	23.01	23.05	22.99			
20	QPSK	50	0	22.07	22.10	22.04			
20	QPSK	50	24	22.05	21.90	22.00	23	1	
20	QPSK	50	50	22.09	21.98	22.01			
20	QPSK	100	0	22.14	22.15	22.08			
20	16QAM	1	0	22.33	22.29	22.21			
20	16QAM	1	49	22.24	22.12	22.35	23	1	
20	16QAM	1	99	22.32	22.25	22.34			
20	16QAM	50	0	21.04	21.05	21.05			
20	16QAM	50	24	21.03	20.98	21.08	22	2	
20	16QAM	50	50	21.08	21.01	21.10			
20	16QAM	100	0	21.12	20.97	21.15			
20	64QAM	1	0	21.23	21.29	21.33			
20	64QAM	1	49	21.05	21.08	21.21	22	2	
20	64QAM	1	99	21.24	21.30	21.38			
20	64QAM	50	0	19.97	20.02	20.11			
20	64QAM	50	24	19.96	19.93	20.03	21	3	
20	64QAM	50	50	19.99	20.06	20.08			
20	64QAM	100	0	19.93	20.02	20.14			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.88	22.86	22.69			
15	QPSK	1	37	22.81	22.81	22.79	24	0	
15	QPSK	1	74	22.96	23.03	23.00			
15	QPSK	36	0	22.18	22.07	22.12			
15	QPSK	36	20	22.12	21.88	22.02	23	1	
15	QPSK	36	39	22.18	21.98	22.09			
15	QPSK	75	0	22.19	21.95	22.09			
15	16QAM	1	0	22.50	22.29	22.46			
15	16QAM	1	37	22.34	22.15	22.13	23	1	
15	16QAM	1	74	22.44	22.52	22.49			
15	16QAM	36	0	21.17	21.05	21.08			
15	16QAM	36	20	21.15	20.98	21.04	22	2	
15	16QAM	36	39	21.16	21.04	21.04			
15	16QAM	75	0	21.15	21.03	21.18			
15	64QAM	1	0	21.31	21.46	21.51			
15	64QAM	1	37	21.08	21.02	21.05	22	2	
15	64QAM	1	74	21.44	21.44	21.46			
15	64QAM	36	0	20.11	20.00	20.20			
15	64QAM	36	20	20.09	20.06	20.11	21	3	
15	64QAM	36	39	20.01	20.02	20.09			
15	64QAM	75	0	19.99	20.05	20.15			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.70	22.71	22.69			
10	QPSK	1	25	22.88	22.94	23.07	24	0	
10	QPSK	1	49	23.10	23.00	23.01			
10	QPSK	25	0	22.11	22.12	22.04			
10	QPSK	25	12	22.09	22.03	22.09	23	1	
10	QPSK	25	25	22.07	22.10	22.09			
10	QPSK	50	0	22.01	22.03	22.12			
10	16QAM	1	0	22.41	22.39	22.44			
10	16QAM	1	25	22.14	22.09	22.14	23	1	
10	16QAM	1	49	22.45	22.35	22.47			
10	16QAM	25	0	21.10	21.11	21.10			
10	16QAM	25	12	21.09	21.04	21.05	22	2	
10	16QAM	25	25	21.16	21.10	21.06			
10	16QAM	50	0	21.03	21.11	21.24			
10	64QAM	1	0	21.03	21.38	21.35			
10	64QAM	1	25	20.98	21.29	21.21	22	2	
10	64QAM	1	49	21.23	21.38	21.39			
10	64QAM	25	0	20.03	20.15	20.09			
10	64QAM	25	12	20.04	20.06	20.16	21	3	
10	64QAM	25	25	20.02	20.21	20.22			
10	64QAM	50	0	19.94	20.15	20.20			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.75	22.86	22.81			
5	QPSK	1	12	22.85	22.90	22.98	24	0	
5	QPSK	1	24	22.91	22.92	23.00			
5	QPSK	12	0	22.09	21.96	22.12			
5	QPSK	12	7	22.09	22.03	22.08	23	1	
5	QPSK	12	13	22.03	21.95	21.97			
5	QPSK	25	0	22.06	21.96	22.10			
5	16QAM	1	0	22.35	22.30	22.35			
5	16QAM	1	12	22.22	22.21	22.11	23	1	
5	16QAM	1	24	22.09	22.12	22.27			
5	16QAM	12	0	21.10	21.06	21.10			
5	16QAM	12	7	21.06	21.04	21.07	22	2	
5	16QAM	12	13	21.03	21.05	21.06			
5	16QAM	25	0	21.06	21.05	21.08			
5	64QAM	1	0	21.14	21.19	21.42			
5	64QAM	1	12	20.98	21.04	21.09	22	2	
5	64QAM	1	24	20.95	21.12	21.18			
5	64QAM	12	0	20.00	20.00	20.19			
5	64QAM	12	7	20.01	20.07	20.16	21	3	
5	64QAM	12	13	19.99	20.02	20.12			
5	64QAM	25	0	19.97	20.08	20.13			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.65	22.46	22.65			
3	QPSK	1	8	22.93	22.94	22.96	24	0	
3	QPSK	1	14	22.82	22.84	22.85			
3	QPSK	8	0	22.03	21.98	22.03			
3	QPSK	8	4	22.06	22.02	22.05	23	1	
3	QPSK	8	7	21.85	22.00	21.98			
3	QPSK	15	0	22.03	22.00	22.00			
3	16QAM	1	0	22.26	22.15	22.26			
3	16QAM	1	8	22.20	22.25	22.29	23	1	
3	16QAM	1	14	22.25	22.12	22.26			
3	16QAM	8	0	21.04	21.03	21.16			
3	16QAM	8	4	21.13	21.10	21.18	22	2	
3	16QAM	8	7	21.01	21.04	21.14			
3	16QAM	15	0	21.04	21.00	21.11			
3	64QAM	1	0	20.97	21.10	21.20			
3	64QAM	1	8	20.93	21.15	21.22	22	2	
3	64QAM	1	14	20.89	21.17	21.12			
3	64QAM	8	0	20.03	20.05	20.19			
3	64QAM	8	4	20.01	20.09	20.16	21	3	
3	64QAM	8	7	19.90	20.03	20.13			
3	64QAM	15	0	19.88	20.02	20.06			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.69	22.71	22.75			
1.4	QPSK	1	3	22.92	22.94	22.98	24	0	
1.4	QPSK	1	5	22.85	22.87	22.90			
1.4	QPSK	3	0	22.06	22.06	22.06			
1.4	QPSK	3	3	22.03	22.02	22.06	23	1	
1.4	QPSK	3	3	22.90	22.90	23.04			
1.4	QPSK	6	0	21.97	21.89	22.02			
1.4	16QAM	1	0	22.15	22.17	22.17			
1.4	16QAM	1	3	22.21	22.12	22.23	23	1	
1.4	16QAM	1	5	22.17	22.05	22.26			
1.4	16QAM	3	0	22.01	21.90	22.09	22	2	
1.4	16QAM	3	3	22.02	21.90	22.02			
1.4	16QAM	3	3	22.02	21.89	21.90			
1.4	16QAM	6	0	20.97	21.05	21.12	22	2	
1.4	64QAM	1	0	21.00	21.15	21.10			
1.4	64QAM	1	3	20.95	21.17	21.36			
1.4	64QAM	1	5	20.90	21.18	21.17	22	2	
1.4	64QAM	3	0	20.95	21.09	21.08			
1.4	64QAM	3	1	20.97	21.11	21.19			
1.4	64QAM	3	3	20.97	21.14	21.20			
1.4	64QAM	6	0	19.78	19.99	20.04	21	3	

Full Power									
Band 4 (AWS Band)									
Part 27L (only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.88	23.11	22.85			
20	QPSK	1	49	22.86	23.00	22.80	24	0	
20	QPSK	1	99	22.87	22.81	22.85			
20	QPSK	50	0	21.91	21.99	22.03			
20	QPSK	50	24	21.96	21.9				



Full Power

Band 12 (750MHz Low Band) Part 27E (only on channel required)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.45	22.96	22.97	24	0				
10	QPSK	1	25	23.17	23.16	23.09						
10	QPSK	1	49	23.22	23.15	23.16						
10	QPSK	25	0	22.27	22.15	22.12						
10	QPSK	25	12	22.19	22.09	22.12	23	1				
10	QPSK	25	25	22.10	22.02	21.99						
10	QPSK	50	0	22.18	21.93	22.02						
10	16QAM	1	0	22.64	22.64	22.48						
10	16QAM	1	25	22.46	22.31	22.38	23	1				
10	16QAM	1	49	22.29	22.25	22.34						
10	16QAM	25	0	21.19	21.11	21.20						
10	16QAM	25	12	21.16	21.06	21.10						
10	16QAM	25	25	21.09	21.10	20.96	22	2				
10	16QAM	50	0	21.22	21.02	21.00						
10	64QAM	1	0	21.13	21.40	21.60						
10	64QAM	1	25	21.24	21.25	21.11						
10	64QAM	1	49	21.16	21.37	21.16	22	2				
10	64QAM	25	0	20.15	20.18	20.20						
10	64QAM	25	12	20.08	20.14	20.20						
10	64QAM	25	25	20.00	20.08	20.10						
10	64QAM	50	0	20.14	20.08	20.09	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.82	22.83	22.86				24	0	
5	QPSK	1	12	23.05	23.03	22.97						
5	QPSK	1	24	23.08	23.05	23.08						
5	QPSK	12	0	22.14	22.07	22.05						
5	QPSK	12	7	22.25	22.09	21.90	23	1				
5	QPSK	12	13	22.10	22.05	21.92						
5	QPSK	25	0	22.24	22.07	22.08						
5	16QAM	1	0	22.38	22.30	22.33						
5	16QAM	1	12	22.30	22.42	22.03	23	1				
5	16QAM	1	24	22.39	22.35	22.35						
5	16QAM	12	0	21.26	21.15	21.07						
5	16QAM	12	7	21.13	21.10	21.07						
5	16QAM	12	13	21.09	21.02	20.95	22	2				
5	16QAM	25	0	21.06	21.05	21.09						
5	64QAM	1	0	21.06	21.21	21.39						
5	64QAM	1	12	21.24	21.18	21.26						
5	64QAM	1	24	21.03	21.14	21.14	22	2				
5	64QAM	12	0	20.08	20.16	20.12						
5	64QAM	12	7	20.11	20.20	20.13						
5	64QAM	12	13	20.06	20.10	20.16						
5	64QAM	25	0	19.87	20.14	20.25	21	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.86	22.89	22.83				24	0	
3	QPSK	1	8	23.11	23.04	23.05						
3	QPSK	1	14	23.02	23.00	22.95						
3	QPSK	8	0	22.16	22.03	22.03						
3	QPSK	8	4	22.02	22.10	22.00	23	1				
3	QPSK	8	7	22.01	22.01	21.97						
3	QPSK	15	0	22.06	22.08	21.96						
3	16QAM	1	0	22.39	22.45	22.30						
3	16QAM	1	8	22.37	22.20	22.28	23	1				
3	16QAM	1	14	22.35	22.38	22.24						
3	16QAM	8	0	21.22	21.18	21.15						
3	16QAM	8	4	21.14	21.13	21.14						
3	16QAM	8	7	21.13	21.15	21.02	22	2				
3	16QAM	15	0	21.05	21.08	20.97						
3	64QAM	1	0	21.09	21.26	21.27						
3	64QAM	1	8	21.19	21.26	21.24						
3	64QAM	1	14	21.11	21.20	21.15	22	2				
3	64QAM	8	0	20.17	20.12	20.14						
3	64QAM	8	4	20.07	20.20	20.12						
3	64QAM	8	7	20.07	20.10	19.97						
3	64QAM	15	0	19.89	20.03	20.08	21	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.65	22.75	22.91				24	0	
1.4	QPSK	1	3	23.01	23.00	22.89						
1.4	QPSK	1	5	22.99	22.87	22.94						
1.4	QPSK	3	0	22.85	22.36	22.87						
1.4	QPSK	3	1	23.02	23.02	22.80	23	1				
1.4	QPSK	3	3	23.00	22.88	22.86						
1.4	QPSK	6	0	21.94	22.01	21.90						
1.4	16QAM	1	0	22.19	22.27	22.27						
1.4	16QAM	1	3	22.48	22.48	22.34	23	1				
1.4	16QAM	1	5	22.27	22.23	22.22						
1.4	16QAM	3	0	22.02	22.02	22.03						
1.4	16QAM	3	1	22.10	22.06	22.04						
1.4	16QAM	3	3	22.02	21.88	22.12	22	2				
1.4	16QAM	6	0	21.10	21.09	20.93						
1.4	64QAM	1	0	21.13	21.16	21.19						
1.4	64QAM	1	3	21.05	21.14	21.07						
1.4	64QAM	1	5	21.09	21.20	21.19	22	2				
1.4	64QAM	3	0	20.94	21.10	21.17						
1.4	64QAM	3	1	21.04	21.15	21.04						
1.4	64QAM	3	3	20.99	21.08	21.15						
1.4	64QAM	6	0	19.94	20.05	19.79	21	3				

Band 13(700MHz Band) Part 27F												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0		22.97		24	0				
10	QPSK	1	25		23.45							
10	QPSK	1	49		23.43							
10	QPSK	25	0		22.32							
10	QPSK	25	12		22.30		23	1				
10	QPSK	25	25		22.28							
10	QPSK	50	0		22.21							
10	16QAM	1	0		22.70							
10	16QAM	1	25		22.46		23	1				
10	16QAM	1	49		22.70							
10	16QAM	25	0		21.32							
10	16QAM	25	12		21.25							
10	16QAM	25	25		21.25		22	2				
10	16QAM	50	0		21.37							
10	64QAM	1	0		21.38							
10	64QAM	1	25		21.75							
10	64QAM	1	49		21.58		22	2				
10	64QAM	25	0		20.46							
10	64QAM	25	12		20.32							
10	64QAM	25	25		20.46							
10	64QAM	50	0		20.47		21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.85	22.94	22.87				24	0	
5	QPSK	1	12	23.24	23.28	23.25						
5	QPSK	1	24	23.14	23.01	23.14						
5	QPSK	12	0	22.32	22.35	22.27						
5	QPSK	12	7	22.32	22.29	22.16	23	1				
5	QPSK	12	13	22.29	22.19	22.14						
5	QPSK	25	0	22.46	22.28	22.25						
5	16QAM	1	0	22.49	22.53	22.33						
5	16QAM	1	12	22.47	22.55	22.45	23	1				
5	16QAM	1	24	22.61	22.60	22.43						
5	16QAM	12	0	21.49	21.46	21.33						
5	16QAM	12	7	21.38	21.38	21.25						
5	16QAM	12	13	21.27	21.18	21.23	22	2				
5	16QAM	25	0	21.33	21.21	21.21						
5	64QAM	1	0	21.04	21.52	21.45						
5	64QAM	1	12	21.24	21.41	21.42						
5	64QAM	1	24	21.23	21.39	21.19	22	2				
5	64QAM	12	0	20.24	20.35	20.34						
5	64QAM	12	7	20.30	20.36	20.36						
5	64QAM	12	13	20.20	20.31	20.32						
5	64QAM	25	0	20.23	20.39	20.29	21	3				

Band 14 (700MHz Band)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0		23.55		24	0				
10	QPSK	1	25		23.10							
10	QPSK	1	49		23.42							
10	QPSK	25	0		22.24							
10	QPSK	25	12		22.14		23	1				
10	QPSK	25	25		22.27							
10	QPSK	50	0		22.11							
10	16QAM	1	0		22.82							
10	16QAM	1	25		22.40		23	1				
10	16QAM	1	49		22.71							
10	16QAM	25	0		21.31							
10	16QAM	25	12		21.17							
10	16QAM	25	25		21.25		22	2				
10	16QAM	50	0		21.18							
10	64QAM	1	0		21.69							
10	64QAM	1	25		21.19							
10	64QAM	1	49		21.40		22	2				
10	64QAM	25	0		20.36							
10	64QAM	25	12		20.26							
10	64QAM	25	25		20.30							
10	64QAM	50	0		20.26		21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.93	23.05	22.84						

Full Power

Band 30										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)		
Channel				2710						
Frequency (MHz)				2310						
10	QPSK	1	0	23.02	23.26	23.90	24	0		
10	QPSK	1	25	23.02	23.26	23.90				
10	QPSK	1	49	23.24	23.24	23.25				
10	QPSK	25	0	22.13	22.13	22.12				
10	QPSK	25	12	22.08	22.08	22.12	23	1		
10	QPSK	25	25	22.10	22.10	22.11				
10	QPSK	50	0	22.10	22.10	22.11				
10	16QAM	1	0	22.53	22.53	22.13				
10	16QAM	1	25	22.22	22.22	22.43	23	1		
10	16QAM	1	49	22.58	22.58	22.49				
10	16QAM	25	0	21.19	21.19	21.16				
10	16QAM	25	12	21.64	21.64	21.30	22	2		
10	16QAM	25	25	21.12	21.12	21.06				
10	16QAM	50	0	21.15	21.15	21.22				
10	64QAM	1	0	21.43	21.43	21.22				
10	64QAM	1	25	20.96	20.96	20.83	22	2		
10	64QAM	1	49	21.29	21.29	21.13				
10	64QAM	25	0	19.93	19.93	20.15				
10	64QAM	25	12	19.89	19.89	20.14	21	3		
10	64QAM	25	25	20.00	20.00	20.27				
10	64QAM	50	0	20.00	20.00	20.26				
Channel				2765			2775			
Frequency (MHz)				2307.5			2310	2312.5		
5	QPSK	1	0	22.53	22.59	22.51	24	0		
5	QPSK	1	12	22.99	22.92	23.01				
5	QPSK	1	24	22.99	23.01	23.00				
5	QPSK	12	0	22.10	22.07	22.13				
5	QPSK	12	7	22.01	22.03	22.07	23	1		
5	QPSK	12	13	21.99	21.91	21.97				
5	QPSK	25	0	22.01	22.05	22.17				
5	16QAM	1	0	22.27	22.54	22.27				
5	16QAM	1	12	22.07	22.21	22.26	23	1		
5	16QAM	1	24	22.32	22.28	22.35				
5	16QAM	12	0	21.15	21.11	21.20				
5	16QAM	12	7	21.06	21.08	21.10	22	2		
5	16QAM	12	13	21.07	21.05	21.08				
5	16QAM	25	0	20.59	21.00	21.10				
5	64QAM	1	0	21.30	21.35	21.28				
5	64QAM	1	12	21.02	21.21	21.23	22	2		
5	64QAM	1	24	21.01	21.20	21.30				
5	64QAM	12	0	20.00	20.16	20.26				
5	64QAM	12	7	19.97	20.12	20.25	21	3		
5	64QAM	12	13	19.84	20.00	20.27				
5	64QAM	25	0	19.93	20.11	20.17				

  

Band 66										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)		
Channel				13272						
Frequency (MHz)				1720			1745	1770		
20	QPSK	1	0	22.90	23.26	22.90	24	0		
20	QPSK	1	49	23.03	23.03	22.99				
20	QPSK	1	99	23.14	23.00	23.25				
20	QPSK	50	0	21.95	22.42	22.12				
20	QPSK	50	24	22.00	22.05	22.12	23	1		
20	QPSK	50	50	21.96	22.01	22.41				
20	QPSK	100	0	22.02	22.23	22.21				
20	16QAM	1	0	22.20	22.13	22.13				
20	16QAM	1	49	22.25	22.28	22.43	23	1		
20	16QAM	1	99	22.81	22.44	22.49				
20	16QAM	50	0	20.88	21.14	21.16				
20	16QAM	50	24	20.91	21.09	21.30	22	2		
20	16QAM	50	50	21.21	21.15	20.96				
20	16QAM	100	0	21.04	21.07	21.22				
20	64QAM	1	0	20.95	21.11	21.22				
20	64QAM	1	49	21.05	21.14	20.83	22	2		
20	64QAM	1	99	21.12	21.24	21.13				
20	64QAM	50	0	19.95	20.31	20.15				
20	64QAM	50	24	19.97	20.08	20.14	21	3		
20	64QAM	50	50	19.88	19.96	20.27				
20	64QAM	100	0	20.13	20.31	20.26				
Channel				132047			132022	132097		
Frequency (MHz)				1717.5			1745	1772.5		
15	QPSK	1	0	22.76	22.79	22.90	24	0		
15	QPSK	1	37	22.90	22.91	23.05				
15	QPSK	1	74	23.14	23.16	23.24				
15	QPSK	36	0	22.06	22.20	22.23				
15	QPSK	36	20	21.93	22.04	22.16	23	1		
15	QPSK	36	39	21.99	22.05	22.14				
15	QPSK	75	0	21.99	21.97	22.23				
15	16QAM	1	0	22.60	22.47	22.52				
15	16QAM	1	37	22.15	22.29	22.39	23	1		
15	16QAM	1	74	22.48	22.40	22.59				
15	16QAM	36	0	21.08	21.15	21.20				
15	16QAM	36	20	20.95	21.07	21.22	22	2		
15	16QAM	36	39	20.92	21.07	21.07				
15	16QAM	75	0	21.02	21.09	21.19				
15	64QAM	1	0	21.02	21.40	21.09				
15	64QAM	1	37	20.98	20.94	20.92	22	2		
15	64QAM	1	74	21.05	21.37	21.19				
15	64QAM	36	0	19.97	20.15	20.26				
15	64QAM	36	20	19.94	20.11	20.22	21	3		
15	64QAM	36	39	19.89	20.07	20.13				
15	64QAM	75	0	19.87	20.09	20.26				
Channel				132022			132022	132022		
Frequency (MHz)				1715			1745	1775		
10	QPSK	1	0	23.01	22.98	23.03	24	0		
10	QPSK	1	25	22.93	22.98	23.20				
10	QPSK	1	49	23.11	23.00	23.14				
10	QPSK	25	0	21.91	21.98	22.09				
10	QPSK	25	12	22.05	22.10	22.22	23	1		
10	QPSK	25	25	22.02	22.10	22.33				
10	QPSK	50	0	21.92	21.99	22.20				
10	16QAM	1	0	22.11	22.15	22.16				
10	16QAM	1	25	22.16	22.24	22.51	23	1		
10	16QAM	1	49	22.51	22.52	22.51				
10	16QAM	25	0	20.95	20.95	21.12				
10	16QAM	25	12	21.06	21.06	21.17	22	2		
10	16QAM	25	25	20.96	21.03	21.18				
10	16QAM	50	0	20.97	21.04	21.15				
10	64QAM	1	0	21.23	21.03	21.03				
10	64QAM	1	25	21.02	21.12	21.06	22	2		
10	64QAM	1	49	21.24	21.35	20.88				
10	64QAM	25	0	19.81	20.04	20.22				
10	64QAM	25	12	19.84	20.15	20.27	21	3		
10	64QAM	25	25	20.01	20.22	20.29				
10	64QAM	50	0	19.82	20.04	20.26				
Channel				131997			132022	132047		
Frequency (MHz)				1712.5			1745	1777.5		
5	QPSK	1	0	22.98	22.89	22.91	24	0		
5	QPSK	1	12	22.90	22.96	23.22				
5	QPSK	1	24	22.93	23.03	23.13				
5	QPSK	12	0	21.94	22.08	22.14				
5	QPSK	12	7	21.96	22.05	22.21	23	1		
5	QPSK	12	13	21.97	22.02	22.04				
5	QPSK	25	0	21.96	22.06	22.22				
5	16QAM	1	0	22.48	22.34	22.41				
5	16QAM	1	12	22.03	22.21	22.49	23	1		
5	16QAM	1	24	22.18	22.32	22.51				
5	16QAM	12	0	21.07	21.17	21.19				
5	16QAM	12	7	21.09	21.08	21.09	22	2		
5	16QAM	12	13	21.03	21.07	21.05				
5	16QAM	25	0	21.02	21.07	21.18				
5	64QAM	1	0	21.06	21.21	20.77				
5	64QAM	1	12	21.12	21.11	21.20	22	2		
5	64QAM	1	24	21.01	21.15	21.09				
5	64QAM	12	0	19.95	20.17	20.23				
5	64QAM	12	7	19.98	20.13	20.32	21	3		
5	64QAM	12	13	19.91	20.18	20.20				
5	64QAM	25	0	19.96	20.15	20.30				



Reduced Power Mode for P-Sensor On

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	193.2	190	199.8		193.2	193	199.3	
GSM 1 Tx slot	28.39	28.74	28.81	27.50	17.39	17.74	17.61	18.50
GPRS 1 Tx slot	28.38	28.73	28.59	27.50	17.38	17.73	17.59	18.50
GPRS 2 Tx slot	23.31	23.42	23.44	24.50	17.31	17.42	17.44	18.50
GPRS 3 Tx slot	21.43	21.52	21.55	22.50	17.17	17.26	17.28	18.24
GPRS 4 Tx slot	19.94	20.11	20.15	21.00	16.94	17.11	17.15	18.00
EDGE 1 Tx slot	22.63	22.84	22.82	23.50	13.63	13.84	13.82	14.50
EDGE 2 Tx slot	22.49	22.78	22.77	23.50	16.49	16.78	16.77	17.50
EDGE 3 Tx slot	20.73	20.90	20.91	21.50	16.47	16.64	16.65	17.24
EDGE 4 Tx slot	19.41	19.43	19.50	20.50	16.41	16.43	16.50	17.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		626.4	636.4	646.6		
3GPP Rel 99	AMR 12.2Kbps	16.71	16.77	16.62	17.00	16.75	16.81	16.83	17.50	21.82	21.85	21.86	23.00
3GPP Rel 99	RM-C 12.2Kbps	16.73	16.78	16.53	17.00	16.76	16.82	16.85	17.50	21.84	21.86	21.87	23.00
3GPP Rel 6	HSDPA Subtest-1	15.41	15.42	15.25	16.00	15.77	15.74	15.68	16.50	20.65	20.63	20.72	22.00
3GPP Rel 6	HSDPA Subtest-2	15.40	15.44	15.27	16.00	15.48	15.69	15.62	16.50	20.64	20.67	20.66	22.00
3GPP Rel 6	HSDPA Subtest-3	14.90	14.95	14.77	15.50	15.30	15.15	15.16	16.00	20.17	20.09	20.19	21.50
3GPP Rel 6	HSDPA Subtest-4	14.89	14.94	14.76	15.50	15.27	15.18	15.18	16.00	20.15	20.11	20.22	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.40	15.42	15.23	16.00	15.78	15.75	15.70	16.50	20.66	20.64	20.71	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.38	15.43	15.28	16.00	15.47	15.70	15.63	16.50	20.65	20.66	20.65	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	14.91	14.96	14.75	15.50	15.29	15.14	15.15	16.00	20.18	20.10	20.17	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.88	14.95	14.75	15.50	15.28	15.17	15.15	16.00	20.14	20.12	20.23	21.50
3GPP Rel 6	HSUPA Subtest-1	15.43	15.45	15.29	16.00	15.74	15.60	15.55	16.50	20.67	20.66	20.69	22.00
3GPP Rel 6	HSUPA Subtest-2	13.44	13.46	13.30	14.00	13.78	13.59	13.54	14.50	18.69	18.64	18.68	20.00
3GPP Rel 6	HSUPA Subtest-3	14.44	14.46	14.34	15.00	14.70	14.70	14.57	15.50	19.68	19.65	19.71	21.00
3GPP Rel 6	HSUPA Subtest-4	13.40	13.50	13.30	14.00	13.79	13.73	13.59	14.50	18.69	18.67	18.68	20.00
3GPP Rel 6	HSUPA Subtest-5	15.47	15.29	15.16	16.00	15.70	15.82	15.70	16.50	20.70	20.72	20.80	22.00



Band 4 (900MHz Band)										
Part 246 (only on channel required)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18800	19100				
Frequency (MHz)				1880	1880	1900				
20	QPSK	1	0	16.38	16.48	16.2				
20	QPSK	1	49	16.36	16.2	16.3	17	0		
20	QPSK	1	99	16.28	16.22	16.28				
20	QPSK	50	0	16.24	16.37	16.18				
20	QPSK	50	24	16.3	16.24	16.14				
20	QPSK	50	50	16.21	16.13	16.21	17	0		
20	QPSK	100	0	16.28	16.3	16.21				
20	16QAM	1	0	16.38	16.13	16.24				
20	16QAM	1	49	16.24	16.22	16.14	17	0		
20	16QAM	1	99	16.26	16.19	16.26				
20	16QAM	50	0	16.2	16.27	16.19				
20	16QAM	50	24	16.26	16.21	16.14				
20	16QAM	50	50	16.23	16.14	16.23	17	0		
20	16QAM	100	0	16.32	16.23	16.27				
20	64QAM	1	0	16.45	16.4	16.33				
20	64QAM	1	49	15.97	16.12	16.06	17	0		
20	64QAM	1	99	16.38	16.33	16.43				
20	64QAM	50	0	16.21	16.29	16.16				
20	64QAM	50	24	16.28	16.19	16.14				
20	64QAM	50	50	16.23	16.14	16.22	17	0		
20	64QAM	100	0	16.32	16.24	16.26				
Channel				18975	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1897.5	1880	1912.5				
15	QPSK	1	0	16.3	16.39	16.43				
15	QPSK	1	37	16.16	16.18	16.15	17	0		
15	QPSK	1	74	16.39	16.32	16.43				
15	QPSK	36	0	16.33	16.26	16.21				
15	QPSK	36	20	16.24	16.2	16.32	17	0		
15	QPSK	36	39	16.29	16.21	16.34				
15	QPSK	75	0	16.27	16.23	16.26				
15	16QAM	1	0	16.23	16.41	16.36				
15	16QAM	1	37	16.18	16.09	16.04	17	0		
15	16QAM	1	74	16.29	16.31	16.44				
15	16QAM	36	0	16.3	16.31	16.2				
15	16QAM	36	20	16.25	16.23	16.33	17	0		
15	16QAM	36	39	16.2	16.13	16.26				
15	16QAM	75	0	16.27	16.26	16.36				
15	64QAM	1	0	16.4	16.36	16.38				
15	64QAM	1	37	16.37	16.23	16.19	17	0		
15	64QAM	1	74	16.41	16.31	16.46				
15	64QAM	36	0	16.31	16.29	16.18				
15	64QAM	36	20	16.24	16.22	16.31	17	0		
15	64QAM	36	39	16.17	16.12	16.26				
15	64QAM	75	0	16.24	16.27	16.32				
Channel				18900	18900	19100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18900	18900	19100				
10	QPSK	1	0	16.36	16.43	16.46				
10	QPSK	1	25	16.13	16.19	16.24	17	0		
10	QPSK	1	49	16.45	16.36	16.43				
10	QPSK	25	0	16.39	16.33	16.3				
10	QPSK	25	12	16.26	16.29	16.36	17	0		
10	QPSK	25	25	16.34	16.36	16.36				
10	QPSK	50	0	16.29	16.29	16.37				
10	16QAM	1	0	16.45	16.45	16.43	17	0		
10	16QAM	1	25	16.22	16.21	16.27				
10	16QAM	1	49	16.46	16.28	16.38				
10	16QAM	25	0	16.36	16.29	16.27				
10	16QAM	25	12	16.27	16.26	16.37	17	0		
10	16QAM	25	25	16.29	16.33	16.31				
10	16QAM	50	0	16.3	16.33	16.39				
10	64QAM	1	0	16.34	16.38	16.3				
10	64QAM	1	25	16.1	16.09	16.14	17	0		
10	64QAM	1	49	16.37	16.28	16.36				
10	64QAM	25	0	16.37	16.28	16.3				
10	64QAM	25	12	16.28	16.33	16.36	17	0		
10	64QAM	25	25	16.34	16.33	16.36				
10	64QAM	50	0	16.24	16.31	16.37				
Channel				18925	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1892.5	1880	1917.5				
5	QPSK	1	0	16.13	16.12	16.11				
5	QPSK	1	12	16.19	16.1	16.18	17	0		
5	QPSK	1	24	16.23	16.2	16.22				
5	QPSK	12	0	16.32	16.32	16.33				
5	QPSK	12	7	16.13	16.21	16.31	17	0		
5	QPSK	12	13	16.26	16.21	16.29				
5	QPSK	25	0	16.33	16.28	16.33				
5	16QAM	1	0	16.37	16.23	16.42				
5	16QAM	1	12	16.33	16.39	16.32	17	0		
5	16QAM	1	24	16.4	16.26	16.3				
5	16QAM	12	0	16.38	16.37	16.37				
5	16QAM	12	7	16.36	16.33	16.32	17	0		
5	16QAM	12	13	16.32	16.31	16.3				
5	16QAM	25	0	16.27	16.29	16.3				
5	64QAM	1	0	16.27	16.43	16.39				
5	64QAM	1	12	16.38	16.32	16.35	17	0		
5	64QAM	1	24	16.36	16.36	16.34				
5	64QAM	12	0	16.34	16.35	16.37				
5	64QAM	12	7	16.33	16.28	16.32	17	0		
5	64QAM	12	13	16.28	16.34	16.29				
5	64QAM	25	0	16.34	16.3	16.33				
Channel				18915	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1891.5	1880	1918.5				
3	QPSK	1	0	16.17	16.02	16.03				
3	QPSK	1	8	16.24	16.18	16.24	17	0		
3	QPSK	1	14	16.16	16.13	16.19				
3	QPSK	8	0	16.26	16.25	16.29				
3	QPSK	8	4	16.28	16.26	16.3	17	0		
3	QPSK	8	7	16.26	16.24	16.28				
3	QPSK	15	0	16.24	16.22	16.31				
3	16QAM	1	0	16.28	16.26	16.3				
3	16QAM	1	8	16.26	16.28	16.3	17	0		
3	16QAM	1	14	16.19	16.18	16.23				
3	16QAM	8	0	16.41	16.35	16.41				
3	16QAM	8	4	16.37	16.35	16.39	17	0		
3	16QAM	8	7	16.33	16.31	16.36				
3	16QAM	15	0	16.3	16.28	16.29				
3	64QAM	1	0	16.32	16.38	16.39				
3	64QAM	1	8	16.36	16.34	16.42	17	0		
3	64QAM	1	14	16.28	16.29	16.36				
3	64QAM	8	0	16.31	16.3	16.33				
3	64QAM	8	4	16.29	16.31	16.33	17	0		
3	64QAM	8	7	16.24	16.24	16.29				
3	64QAM	15	0	16.28	16.26	16.34				
Channel				18907	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1890.7	1880	1919.3				
1.4	QPSK	1	0	16.31	16.27	16.13				
1.4	QPSK	1	3	16.23	16.18	16.26	17	0		
1.4	QPSK	1	6	16.36	16.36	16.34				
1.4	QPSK	3	0	16.31	16.44	16.34				
1.4	QPSK	3	1	16.24	16.16	16.26				
1.4	QPSK	3	3	16.14	16.19	16.28				
1.4	QPSK	6	0	16.18	16.11	16.33	17	0		
1.4	16QAM	1	0	16.34	16.38	16.21				
1.4	16QAM	1	3	16.32	16.25	16.44				
1.4	16QAM	1	5	16.31	16.31	16.23	17	0		
1.4	16QAM	3	0	16.32	16.24	16.15				
1.4	16QAM	3	1	16.28	16.13	16.23	17	0		
1.4	16QAM	3	3	16.16	16.15	16.07				
1.4	16QAM	6	0	16.23	16.33	16.3	17	0		
1.4	64QAM	1	0							



Reduced Power Mode for P-Sensor On

Band 30										Band 66												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
10	QPSK	1	0	17.25	17.25	17.25	19	0		20	QPSK	1	0	16.77	16.93	16.84	17.5	0				
10	QPSK	1	25	17.26	17.26	17.26				20	QPSK	1	49	16.81	16.72	16.89						
10	QPSK	1	49	17.24	17.24	17.24				20	QPSK	1	99	16.83	16.89	16.78						
10	QPSK	25	0	17.51	17.51	17.51				20	QPSK	50	0	16.72	16.76	16.73						
10	QPSK	25	12	17.47	17.47	17.47				20	QPSK	50	24	16.72	16.7	16.76						
10	QPSK	25	25	17.32	17.32	17.32				20	QPSK	50	50	16.66	16.68	16.69						
10	QPSK	50	0	17.39	17.39	17.39				20	QPSK	100	0	16.68	16.79	16.77						
10	16QAM	1	0	17.73	17.73	17.73				20	16QAM	1	0	16.83	16.72	16.85						
10	16QAM	1	25	17.65	17.65	17.65				20	16QAM	1	49	16.74	16.77	16.69						
10	16QAM	1	49	17.31	17.31	17.31				20	16QAM	1	99	16.8	16.88	16.72						
10	16QAM	25	0	17.42	17.42	17.42				20	16QAM	50	0	16.56	16.66	16.72						
10	16QAM	25	12	17.49	17.49	17.49				20	16QAM	50	24	16.67	16.72	16.8						
10	16QAM	25	25	17.51	17.51	17.51				20	16QAM	50	50	16.65	16.69	16.7						
10	16QAM	50	0	17.45	17.45	17.45				20	16QAM	100	0	16.63	16.69	16.69						
10	64QAM	1	0	17.72	17.72	17.72				20	64QAM	1	0	16.72	16.81	16.8						
10	64QAM	1	25	17.42	17.42	17.42				20	64QAM	1	49	16.85	16.83	16.88						
10	64QAM	1	49	17.66	17.66	17.66				20	64QAM	1	99	16.72	16.82	16.79						
10	64QAM	25	0	17.52	17.52	17.52				20	64QAM	50	0	16.56	16.69	16.72						
10	64QAM	25	12	17.47	17.47	17.47				20	64QAM	50	24	16.71	16.69	16.77						
10	64QAM	25	25	17.38	17.38	17.38				20	64QAM	50	50	16.44	16.68	16.68						
10	64QAM	50	0	17.37	17.37	17.37				20	64QAM	100	0	16.62	16.71	16.68						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
5	QPSK	1	0	17.7	17.76	17.7	19	0		15	QPSK	1	0	16.82	16.7	16.64	17.5	0				
5	QPSK	1	12	17.42	17.4	17.44				15	QPSK	1	37	16.9	16.74	16.7						
5	QPSK	1	24	17.41	17.47	17.38				15	QPSK	1	74	16.84	16.74	16.83						
5	QPSK	12	0	17.49	17.51	17.49				15	QPSK	36	0	16.68	16.86	16.86						
5	QPSK	12	7	17.51	17.47	17.48				15	QPSK	36	20	16.69	16.74	16.82						
5	QPSK	12	13	17.39	17.41	17.45				15	QPSK	36	39	16.58	16.63	16.66						
5	QPSK	25	0	17.42	17.42	17.42				15	QPSK	75	0	16.72	16.7	16.68						
5	16QAM	1	0	17.81	17.8	17.72				15	16QAM	1	0	16.92	16.85	16.83						
5	16QAM	1	12	17.72	17.68	17.68				15	16QAM	1	37	16.83	16.63	16.59						
5	16QAM	1	24	17.65	17.65	17.64				15	16QAM	1	74	16.79	16.79	16.78						
5	16QAM	12	0	17.52	17.54	17.49				15	16QAM	36	0	16.66	16.88	16.87						
5	16QAM	12	7	17.54	17.5	17.51				15	16QAM	36	20	16.68	16.72	16.84						
5	16QAM	12	13	17.44	17.44	17.45				15	16QAM	36	39	16.67	16.67	16.64						
5	64QAM	1	0	17.68	17.62	17.5				15	64QAM	1	0	16.66	16.73	16.7						
5	64QAM	1	12	17.57	17.56	17.57				15	64QAM	1	37	16.79	16.72	16.76						
5	64QAM	1	24	17.52	17.63	17.56				15	64QAM	1	74	16.79	16.7	16.66						
5	64QAM	12	0	17.45	17.51	17.43				15	64QAM	36	0	16.65	16.88	16.84						
5	64QAM	12	7	17.52	17.48	17.5				15	64QAM	36	20	16.71	16.73	16.81						
5	64QAM	12	13	17.42	17.44	17.45				15	64QAM	36	39	16.58	16.65	16.62						
5	64QAM	25	0	17.4	17.48	17.51				15	64QAM	75	0	16.69	16.72	16.69						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
10	QPSK	1	0	16.72	16.88	16.7	17.5	0		10	QPSK	1	0	16.72	16.88	16.7	17.5	0				
10	QPSK	1	25	16.84	16.89	16.9				10	QPSK	1	25	16.84	16.89	16.9						
10	QPSK	1	49	16.71	16.79	16.79				10	QPSK	1	49	16.71	16.79	16.79						
10	QPSK	25	0	16.56	16.44	16.66				10	QPSK	25	0	16.56	16.44	16.66						
10	QPSK	25	12	16.77	16.76	16.86				10	QPSK	25	12	16.77	16.76	16.86						
10	QPSK	25	25	16.7	16.78	16.81				10	QPSK	25	25	16.7	16.78	16.81						
10	QPSK	50	0	16.58	16.43	16.76				10	QPSK	50	0	16.58	16.43	16.76						
10	16QAM	1	0	16.54	16.74	16.68				10	16QAM	1	0	16.54	16.74	16.68						
10	16QAM	1	25	16.69	16.73	16.77				10	16QAM	1	25	16.69	16.73	16.77						
10	16QAM	1	49	16.51	16.62	16.72				10	16QAM	1	49	16.51	16.62	16.72						
10	16QAM	25	0	16.53	16.49	16.68				10	16QAM	25	0	16.53	16.49	16.68						
10	16QAM	25	12	16.76	16.69	16.67				10	16QAM	25	12	16.76	16.69	16.67						
10	16QAM	25	25	16.4	16.57	16.68				10	16QAM	25	25	16.4	16.57	16.68						
10	16QAM	50	0	16.56	16.66	16.62				10	16QAM	50	0	16.56	16.66	16.62						
10	64QAM	1	0	16.74	16.81	16.76				10	64QAM	1	0	16.74	16.81	16.76						
10	64QAM	1	25	16.89	16.87	16.72				10	64QAM	1	25	16.89	16.87	16.72						
10	64QAM	1	49	16.72	16.72	16.83				10	64QAM	1	49	16.72	16.72	16.83						
10	64QAM	25	0	16.63	16.71	16.79				10	64QAM	25	0	16.63	16.71	16.79						
10	64QAM	25	12	16.68	16.76	16.9				10	64QAM	25	12	16.68	16.76	16.9						
10	64QAM	25	25	16.77	16.86	16.7				10	64QAM	25	25	16.77	16.86	16.7						
10	64QAM	50	0	16.31	16.44	16.68				10	64QAM	50	0	16.31	16.44	16.68						
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
5	QPSK	1	0	16.66	16.56	16.78	17.5	0		5	QPSK	1	0	16.66	16.56	16.78	17.5	0				
5	QPSK	1	12	16.46	16.59	16.77				5	QPSK	1	12	16.46	16.59	16.77						
5	QPSK	1	24	16.54	16.78	16.75				5												



Reduced Power Mode for HotSpot On

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1853.2	1850	1859.6		1853.2	1853	1859.3	
GSM 1 Tx slot	23.89	24.07	24.05	25.00	14.89	15.07	15.05	16.00
GPRS 1 Tx slot	23.88	24.06	24.04	25.00	14.88	15.06	15.04	16.00
GPRS 2 Tx slot	20.70	20.83	20.87	22.00	14.70	14.83	14.87	16.00
GPRS 3 Tx slot	18.74	19.00	19.08	20.00	14.48	14.74	14.82	15.74
GPRS 4 Tx slot	17.45	17.55	17.56	18.50	14.45	14.55	14.56	15.50
EDGE 1 Tx slot	20.11	20.20	20.29	21.00	11.11	11.20	11.29	12.00
EDGE 2 Tx slot	19.98	20.12	20.08	21.00	13.98	14.12	14.08	15.00
EDGE 3 Tx slot	18.17	18.32	18.39	19.00	13.91	14.06	14.13	14.74
EDGE 4 Tx slot	16.86	17.11	17.13	18.00	13.86	14.11	14.13	15.00

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		626.4	636.4	646.6		
3GPP Rel 99	AMR 12.2kDps	13.74	13.80	13.70	14.50	14.16	14.26	14.27	15.00	21.82	21.85	21.86	23.00
3GPP Rel 99	RMG 12.2kDps	13.75	13.81	13.71	14.50	14.17	14.27	14.29	15.00	21.84	21.86	21.87	23.00
3GPP Rel 6	HSDPA Subtest-1	12.77	12.71	12.68	13.50	13.19	13.20	13.19	14.00	20.65	20.63	20.72	22.00
3GPP Rel 6	HSDPA Subtest-2	12.76	12.73	12.62	13.50	13.23	13.39	13.45	14.00	20.64	20.67	20.66	22.00
3GPP Rel 6	HSDPA Subtest-3	12.28	12.20	12.11	13.00	12.70	12.67	12.71	13.50	20.17	20.09	20.19	21.50
3GPP Rel 6	HSDPA Subtest-4	12.25	12.24	12.12	13.00	12.74	12.72	12.70	13.50	20.15	20.11	20.22	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	12.78	12.48	12.67	13.50	13.16	13.22	13.23	14.00	20.66	20.64	20.71	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	12.74	12.53	12.61	13.50	13.20	13.40	13.23	14.00	20.65	20.66	20.65	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	12.27	11.95	12.32	13.00	12.67	12.69	12.74	13.50	20.18	20.10	20.17	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	12.30	11.99	12.29	13.00	12.71	12.74	12.76	13.50	20.14	20.12	20.23	21.50
3GPP Rel 6	HSUPA Subtest-1	12.80	12.75	12.66	13.50	13.08	13.01	13.15	14.00	20.67	20.66	20.69	22.00
3GPP Rel 6	HSUPA Subtest-2	10.75	10.74	10.63	11.50	11.41	11.26	11.39	12.00	18.69	18.64	18.68	20.00
3GPP Rel 6	HSUPA Subtest-3	11.76	11.76	11.66	12.50	12.10	12.10	12.14	13.00	19.68	19.65	19.71	21.00
3GPP Rel 6	HSUPA Subtest-4	10.77	10.73	10.66	11.50	11.16	11.15	11.16	12.00	18.69	18.67	18.68	20.00
3GPP Rel 6	HSUPA Subtest-5	12.80	12.70	12.70	13.50	13.28	13.36	13.39	14.00	20.70	20.72	20.80	22.00



Band 2 (1900MHz Band)										
Part 24E										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.23	14.45	14.44			15	0
20	QPSK	1	49	14.19	14.13	14.21				
20	QPSK	1	99	14.32	14.26	14.31				
20	QPSK	50	0	14.37	14.42	14.39				
20	QPSK	50	24	14.36	14.38	14.41			15	0
20	QPSK	50	50	14.26	14.37	14.35				
20	QPSK	100	0	14.41	14.38	14.43				
20	16QAM	1	0	14.35	14.37	14.29				
20	16QAM	1	49	14.30	14.19	14.41			15	0
20	16QAM	1	99	14.39	14.39	14.30				
20	16QAM	50	0	14.29	14.10	14.01				
20	16QAM	50	24	14.24	14.11	14.43				
20	16QAM	50	50	14.18	14.09	14.19			15	0
20	16QAM	100	0	14.03	13.98	13.88				
20	64QAM	1	0	14.44	14.21	14.21				
20	64QAM	1	49	14.26	14.18	14.27			15	0
20	64QAM	1	99	14.11	14.10	13.97				
20	64QAM	50	0	14.34	14.09	14.42				
20	64QAM	50	24	14.14	14.08	14.21				
20	64QAM	50	50	14.31	14.06	14.36			15	0
20	64QAM	100	0	14.15	14.09	14.21				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.33	14.11	14.09			15	0
15	QPSK	1	37	14.13	14.18	14.13				
15	QPSK	1	74	14.37	14.24	14.42				
15	QPSK	36	0	14.33	14.17	14.27				
15	QPSK	36	20	14.26	14.14	14.29			15	0
15	QPSK	36	39	14.23	14.12	14.21				
15	QPSK	75	0	14.26	13.98	14.23				
15	16QAM	1	0	14.00	14.09	14.06				
15	16QAM	1	37	14.14	13.95	14.13			15	0
15	16QAM	1	74	14.24	14.32	14.29				
15	16QAM	36	0	14.33	14.11	14.04				
15	16QAM	36	20	14.42	14.14	14.26				
15	16QAM	36	39	14.23	14.07	14.13			15	0
15	16QAM	75	0	14.06	14.05	13.92				
15	64QAM	1	0	14.26	14.38	14.42				
15	64QAM	1	37	14.28	14.12	14.11			15	0
15	64QAM	1	74	14.31	14.24	14.05				
15	64QAM	36	0	14.27	14.07	14.19				
15	64QAM	36	20	14.25	14.17	14.39				
15	64QAM	36	39	14.34	14.02	14.35			15	0
15	64QAM	75	0	14.21	14.12	14.22				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.35	14.38	14.43			15	0
10	QPSK	1	25	14.20	14.21	14.30				
10	QPSK	1	49	14.32	14.21	14.30				
10	QPSK	25	0	14.24	14.17	14.20				
10	QPSK	25	12	14.16	14.16	14.29			15	0
10	QPSK	25	25	14.16	14.19	14.26				
10	QPSK	50	0	14.16	14.15	14.25				
10	16QAM	1	0	14.39	14.38	14.23				
10	16QAM	1	25	14.36	14.19	14.30			15	0
10	16QAM	1	49	14.29	14.26	14.34				
10	16QAM	25	0	14.11	14.00	13.92				
10	16QAM	25	12	14.19	14.06	14.26				
10	16QAM	25	25	14.10	14.08	14.24			15	0
10	16QAM	50	0	14.10	14.04	14.00				
10	64QAM	1	0	14.23	14.20	14.23				
10	64QAM	1	25	14.24	14.20	14.38			15	0
10	64QAM	1	49	14.45	14.36	14.25				
10	64QAM	25	0	14.36	14.15	14.28				
10	64QAM	25	12	14.12	14.06	14.26				
10	64QAM	25	25	14.31	14.19	14.30			15	0
10	64QAM	50	0	14.10	14.06	14.23				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.20	14.36	14.24			15	0
5	QPSK	1	12	14.19	14.13	14.21				
5	QPSK	1	24	14.32	14.26	14.31				
5	QPSK	12	0	14.22	14.20	14.19				
5	QPSK	12	7	14.18	14.16	14.21			15	0
5	QPSK	12	13	14.14	14.12	14.15				
5	QPSK	25	0	14.21	14.18	14.23				
5	16QAM	1	0	14.26	14.20	14.35				
5	16QAM	1	12	14.15	14.19	14.17			15	0
5	16QAM	1	24	14.37	14.34	14.33				
5	16QAM	12	0	14.30	14.23	14.27				
5	16QAM	12	7	14.28	14.18	14.27				
5	16QAM	12	13	14.23	14.18	14.18			15	0
5	16QAM	25	0	14.13	14.12	14.15				
5	64QAM	1	0	14.35	14.28	14.40				
5	64QAM	1	12	14.30	14.27	14.26			15	0
5	64QAM	1	24	14.21	14.23	14.23				
5	64QAM	12	0	14.25	14.16	14.24				
5	64QAM	12	7	14.19	14.16	14.24				
5	64QAM	12	13	14.22	14.13	14.18			15	0
5	64QAM	25	0	14.20	14.18	14.20				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.34	14.20	14.39			15	0
3	QPSK	1	8	14.32	14.26	14.31				
3	QPSK	1	14	14.22	14.24	14.26				
3	QPSK	8	0	14.29	14.36	14.36				
3	QPSK	8	4	14.33	14.36	14.39			15	0
3	QPSK	8	7	14.30	14.30	14.36				
3	QPSK	15	0	14.29	14.31	14.39				
3	16QAM	1	0	14.28	14.32	14.34				
3	16QAM	1	8	14.21	14.27	14.28			15	0
3	16QAM	1	14	14.31	14.24	14.31				
3	16QAM	8	0	14.25	14.24	14.31				
3	16QAM	8	4	14.21	14.19	14.24				
3	16QAM	8	7	14.15	14.15	14.21			15	0
3	16QAM	15	0	14.20	14.18	14.27				
3	64QAM	1	0	14.20	14.18	14.25				
3	64QAM	1	8	14.13	14.13	14.18			15	0
3	64QAM	1	14	14.15	14.11	14.17				
3	64QAM	8	0	14.14	14.10	14.16				
3	64QAM	8	4	14.09	14.12	14.14			15	0
3	64QAM	8	7	14.12	14.12	14.19				
3	64QAM	15	0	14.25	14.16	14.24				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.23	14.18	14.38			15	0
1.4	QPSK	1	3	14.18	14.15	14.18				
1.4	QPSK	1	5	14.43	14.24	14.39				
1.4	QPSK	3	0	14.26	14.26	14.24				
1.4	QPSK	3	1	14.20	14.26	14.36				
1.4	QPSK	3	3	14.20	14.34	14.37				
1.4	QPSK	6	0	14.20	14.19	14.15			15	0
1.4	16QAM	1	0	14.30	14.26	14.30				
1.4	16QAM	1	3	14.15	14.20	14.43				
1.4	16QAM	1	5	14.32	14.26	14.38			15	0
1.4	16QAM	3	0	14.16	14.10	14.24				
1.4	16QAM	3	1	14.18	14.22	14.31				
1.4	16QAM	3	3	14.13	14.17	14.31				
1.4	16QAM	6	0	14.17	14.12	14.29			15	0
1.4	64QAM	1	0	14.17	14.28	14.08				
1.4	64QAM	1	3	14.04	14.20	14.10				
1.4	64QAM	1	5	14.29	14.34	14.26			15	0
1.4	64QAM	3	0	14.25	14.25	14.24				
1.4	64QAM	3	1	14.19	14.20	14.22				
1.4	64QAM	3	3	14.13	14.27	14.30				
1.4	64QAM	6	0	14.08	14.09	14.15			15	0

Reduced Power Mode for Hotspot On

Band 30									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				2710	2710				
Frequency (MHz)				2310					
10	QPSK	1	0	17.52			19	0	
10	QPSK	1	25	17.38					
10	QPSK	1	49	17.54					
10	QPSK	25	0	17.51					
10	QPSK	25	12	17.47			19	0	
10	QPSK	25	25	17.32					
10	QPSK	50	0	17.39					
10	16QAM	1	0	17.73					
10	16QAM	1	25	17.65			19	0	
10	16QAM	1	49	17.31					
10	16QAM	25	0	17.42					
10	16QAM	25	12	17.49			19	0	
10	16QAM	25	25	17.51					
10	16QAM	50	0	17.45					
10	64QAM	1	0	17.72					
10	64QAM	1	25	17.42			19	0	
10	64QAM	1	49	17.66					
10	64QAM	25	0	17.52					
10	64QAM	25	12	17.47			19	0	
10	64QAM	25	25	17.38					
10	64QAM	50	0	17.37					
Channel				2765	2770	2775			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	17.70	17.76	17.70	19	0	
5	QPSK	1	12	17.42	17.49	17.44			
5	QPSK	1	24	17.41	17.47	17.39			
5	QPSK	12	0	17.49	17.51	17.49			
5	QPSK	12	7	17.51	17.47	17.49	19	0	
5	QPSK	12	13	17.39	17.41	17.42			
5	QPSK	25	0	17.42	17.48	17.49			
5	16QAM	1	0	17.81	17.80	17.72			
5	16QAM	1	12	17.72	17.68	17.68	19	0	
5	16QAM	1	24	17.65	17.65	17.64			
5	16QAM	12	0	17.62	17.64	17.49			
5	16QAM	12	7	17.64	17.60	17.61	19	0	
5	16QAM	12	13	17.44	17.44	17.42			
5	16QAM	25	0	17.38	17.42	17.50			
5	64QAM	1	0	17.68	17.72	17.61			
5	64QAM	1	12	17.57	17.56	17.57	19	0	
5	64QAM	1	24	17.52	17.63	17.56			
5	64QAM	12	0	17.45	17.51	17.43			
5	64QAM	12	7	17.52	17.48	17.50	19	0	
5	64QAM	12	13	17.42	17.44	17.40			
5	64QAM	25	0	17.40	17.48	17.51			

Band 66									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				13202	13202	13202			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	14.23	14.58	14.13			
20	QPSK	1	49	14.34	14.23	14.32	15	0	
20	QPSK	1	99	14.31	14.30	14.24			
20	QPSK	50	0	14.10	14.27	14.23			
20	QPSK	50	24	14.20	14.24	14.26	15	0	
20	QPSK	50	50	14.14	14.16	14.22			
20	QPSK	100	0	14.16	14.20	14.20			
20	16QAM	1	0	14.10	14.16	14.09			
20	16QAM	1	49	14.25	14.17	14.23	15	0	
20	16QAM	1	99	14.49	14.49	14.46			
20	16QAM	50	0	13.85	13.77	13.79			
20	16QAM	50	24	13.76	13.81	13.87	15	0	
20	16QAM	50	50	13.73	13.74	13.76			
20	16QAM	100	0	13.78	13.76	13.76			
20	64QAM	1	0	13.87	13.97	13.94			
20	64QAM	1	49	14.18	13.93	13.95	15	0	
20	64QAM	1	99	14.34	14.30	14.32			
20	64QAM	50	0	14.06	14.15	14.20			
20	64QAM	50	24	14.14	14.17	14.24	15	0	
20	64QAM	50	50	14.12	14.12	14.16			
20	64QAM	100	0	14.16	14.18	14.19			
Channel				13207	13202	13207			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	14.35	14.44	14.21			
15	QPSK	1	37	14.28	14.23	14.20	15	0	
15	QPSK	1	74	14.33	14.21	14.35			
15	QPSK	36	0	14.18	14.34	14.36			
15	QPSK	36	20	14.16	14.16	14.16	15	0	
15	QPSK	36	39	14.08	14.14	14.11			
15	QPSK	75	0	14.20	14.21	14.16			
15	16QAM	1	0	14.44	14.48	14.39			
15	16QAM	1	37	14.32	14.08	13.99	15	0	
15	16QAM	1	74	14.17	14.19	14.16			
15	16QAM	36	0	13.79	13.94	13.96			
15	16QAM	36	20	13.74	13.82	13.94	15	0	
15	16QAM	36	39	13.68	13.76	13.72			
15	16QAM	75	0	13.80	13.79	13.79			
15	64QAM	1	0	14.31	14.33	14.30			
15	64QAM	1	37	13.93	14.13	13.89	15	0	
15	64QAM	1	74	14.18	14.06	14.11			
15	64QAM	36	0	14.17	14.33	14.34			
15	64QAM	36	20	14.20	14.26	14.32	15	0	
15	64QAM	36	39	14.07	14.12	14.13			
15	64QAM	75	0	14.22	14.19	14.19			
Channel				13202	13202	13202			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	14.12	14.30	14.23			
10	QPSK	1	25	14.19	14.25	14.33	15	0	
10	QPSK	1	49	14.39	14.32	14.54			
10	QPSK	25	0	14.08	14.20	14.28			
10	QPSK	25	12	14.23	14.33	14.36	15	0	
10	QPSK	25	25	14.32	14.40	14.52			
10	QPSK	50	0	14.21	14.24	14.44			
10	16QAM	1	0	13.83	13.92	14.00			
10	16QAM	1	25	14.12	14.15	14.17	15	0	
10	16QAM	1	49	14.11	14.18	14.24			
10	16QAM	25	0	13.81	13.84	13.91			
10	16QAM	25	12	13.91	13.88	13.97	15	0	
10	16QAM	25	25	13.85	13.94	14.02			
10	16QAM	50	0	13.84	13.81	14.03			
10	64QAM	1	0	13.99	14.02	14.09			
10	64QAM	1	25	14.18	14.01	14.05	15	0	
10	64QAM	1	49	14.15	14.24	14.31			
10	64QAM	25	0	14.06	14.23	14.29			
10	64QAM	25	12	14.26	14.36	14.36	15	0	
10	64QAM	25	25	14.23	14.37	14.47			
10	64QAM	50	0	14.21	14.21	14.44			
Channel				13197	13202	13207			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	14.17	14.39	14.23			
5	QPSK	1	12	14.01	14.12	14.27	15	0	
5	QPSK	1	24	14.05	14.28	14.26			
5	QPSK	12	0	14.10	14.34	14.30			
5	QPSK	12	7	14.11	14.22	14.36	15	0	
5	QPSK	12	13	14.12	14.25	14.30			
5	QPSK	25	0	14.10	14.26	14.39			
5	16QAM	1	0	14.20	14.15	14.36			
5	16QAM	1	12	13.99	13.97	14.18	15	0	
5	16QAM	1	24	14.11	14.14	14.21			
5	16QAM	12	0	13.76	13.96	13.96			
5	16QAM	12	7	13.79	13.99	13.96	15	0	
5	16QAM	12	13	13.89	13.91	13.88			
5	16QAM	25	0	13.68	13.83	13.95			
5	64QAM	1	0	13.94	14.09	14.23			
5	64QAM	1	12	13.97	13.98	14.12	15	0	
5	64QAM	1	24	13.92	14.05	14.04			
5	64QAM	12	0	14.11	14.26	14.31			
5	64QAM	12	7	14.12	14.24	14.31	15	0	
5	64QAM	12	13	14.05	14.30	14.26			
5	64QAM	25	0	14.07	14.26	14.34			
Channel				13187	13202	13207			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	13.93					



Reduced Power Mode for Handheld On

Band	TX Channel	WCDMA I			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
		9262	9400	9538		1512	1413	1513	
	Rx Channel	9262	9400	9538		1512	1413	1513	
	Frequency (MHz)	1852.4	1880	1907.6		1772.4	1732.6	1822.6	
3GPP Rel 99	AMR 12.2Kbps	19.98	20.04	19.74	21.00	20.38	20.39	20.41	21.00
3GPP Rel 99	RM-C 12.2Kbps	19.99	20.05	19.75	21.00	20.39	20.40	20.42	21.00
3GPP Rel 6	HSDPA Subtest-1	18.97	18.94	18.80	20.00	19.33	19.30	19.31	20.00
3GPP Rel 6	HSDPA Subtest-2	18.89	18.99	18.77	20.00	18.97	19.29	19.26	20.00
3GPP Rel 6	HSDPA Subtest-3	18.50	18.49	18.27	19.50	18.85	18.82	18.80	19.50
3GPP Rel 6	HSDPA Subtest-4	18.47	18.49	18.27	19.50	18.85	18.83	18.76	19.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.95	18.96	18.81	20.00	19.31	19.28	19.30	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.90	19.00	18.76	20.00	18.96	19.30	19.25	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.49	18.50	18.28	19.50	18.87	18.83	18.81	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.49	18.48	18.26	19.50	18.86	18.85	18.78	19.50
3GPP Rel 6	HSPA Subtest-1	18.91	18.95	18.76	20.00	19.18	19.13	19.21	20.00
3GPP Rel 6	HSPA Subtest-2	16.91	16.94	16.77	18.00	17.16	17.08	17.20	18.00
3GPP Rel 6	HSPA Subtest-3	17.95	17.93	17.73	19.00	18.20	18.18	18.11	19.00
3GPP Rel 6	HSPA Subtest-4	16.96	16.95	16.74	18.00	17.21	17.22	17.15	18.00
3GPP Rel 6	HSPA Subtest-5	18.90	19.00	18.80	20.00	19.20	19.50	19.40	20.00



Reduced Power Mode for Handheld On

Band 2 (1900MHz Band) Part 2A												
BW (MHz)	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	19.43	19.52	19.48	20.5	0				
20	QPSK	1	49	19.52	19.45	19.52						
20	QPSK	1	99	19.54	19.49	19.57						
20	QPSK	50	0	19.54	19.55	19.53						
20	QPSK	50	24	19.61	19.54	19.50	20.5	0				
20	QPSK	50	50	19.53	19.47	19.55						
20	QPSK	100	0	19.56	19.50	19.52						
20	16QAM	1	0	19.69	19.63	19.66						
20	16QAM	1	49	19.68	19.59	19.66	20.5	0				
20	16QAM	1	99	19.61	19.64	19.70						
20	16QAM	50	0	19.52	19.50	19.61						
20	16QAM	50	24	19.54	19.52	19.56						
20	16QAM	50	50	19.47	19.49	19.51	20.5	0				
20	16QAM	100	0	19.46	19.44	19.46						
20	64QAM	1	0	19.65	19.68	19.67						
20	64QAM	1	49	19.62	19.61	19.69						
20	64QAM	1	99	19.64	19.64	19.69	20.5	0				
20	64QAM	50	0	19.70	19.64	19.64						
20	64QAM	50	24	19.66	19.60	19.67						
20	64QAM	50	50	19.63	19.58	19.65						
20	64QAM	100	0	19.66	19.62	19.68	20.5	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.63	19.66	19.37				20.5	0	
15	QPSK	1	37	19.45	19.60	19.42						
15	QPSK	1	74	19.59	19.47	19.68						
15	QPSK	36	0	19.65	19.68	19.61						
15	QPSK	36	20	19.64	19.19	19.35	20.5	0				
15	QPSK	36	39	19.62	19.47	19.61						
15	QPSK	75	0	19.63	19.45	19.62						
15	16QAM	1	0	19.76	19.63	19.73						
15	16QAM	1	37	19.78	19.62	19.44	20.5	0				
15	16QAM	1	74	19.73	19.71	19.73						
15	16QAM	36	0	19.65	19.51	19.64						
15	16QAM	36	20	19.53	19.52	19.51						
15	16QAM	36	39	19.47	19.46	19.45	20.5	0				
15	16QAM	75	0	19.51	19.50	19.52						
15	64QAM	1	0	19.72	19.75	19.62						
15	64QAM	1	37	19.65	19.55	19.53						
15	64QAM	1	74	19.74	19.78	19.77	20.5	0				
15	64QAM	36	0	19.76	19.62	19.73						
15	64QAM	36	20	19.77	19.69	19.75						
15	64QAM	36	39	19.64	19.54	19.64						
15	64QAM	75	0	19.52	19.52	19.74	20.5	0				
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.60	19.60	19.60				20.5	0	
10	QPSK	1	25	19.40	19.41	19.53						
10	QPSK	1	49	19.56	19.62	19.52						
10	QPSK	25	0	19.63	19.53	19.55						
10	QPSK	25	12	19.53	19.55	19.66	20.5	0				
10	QPSK	25	25	19.55	19.56	19.61						
10	QPSK	50	0	19.52	19.53	19.50						
10	16QAM	1	0	19.70	19.73	19.78						
10	16QAM	1	25	19.57	19.53	19.63	20.5	0				
10	16QAM	1	49	19.72	19.73	19.79						
10	16QAM	25	0	19.50	19.41	19.46						
10	16QAM	25	12	19.40	19.41	19.53						
10	16QAM	25	25	19.45	19.47	19.52	20.5	0				
10	16QAM	50	0	19.44	19.40	19.54						
10	64QAM	1	0	19.74	19.78	19.67						
10	64QAM	1	25	19.48	19.43	19.57						
10	64QAM	1	49	19.76	19.70	19.71	20.5	0				
10	64QAM	25	0	19.49	19.40	19.46						
10	64QAM	25	12	19.40	19.41	19.52						
10	64QAM	25	25	19.45	19.47	19.51						
10	64QAM	50	0	19.41	19.44	19.52	20.5	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.46	19.42	19.53				20.5	0	
5	QPSK	1	12	19.45	19.43	19.44						
5	QPSK	1	24	19.49	19.42	19.49						
5	QPSK	12	0	19.61	19.56	19.59						
5	QPSK	12	7	19.56	19.49	19.56	20.5	0				
5	QPSK	12	13	19.56	19.51	19.53						
5	QPSK	25	0	19.56	19.51	19.59						
5	16QAM	1	0	19.79	19.73	19.78						
5	16QAM	1	12	19.76	19.72	19.77	20.5	0				
5	16QAM	1	24	19.71	19.75	19.77						
5	16QAM	12	0	19.72	19.65	19.67						
5	16QAM	12	7	19.66	19.59	19.68						
5	16QAM	12	13	19.54	19.50	19.65	20.5	0				
5	16QAM	25	0	19.67	19.58	19.67						
5	64QAM	1	0	19.62	19.78	19.63						
5	64QAM	1	12	19.72	19.59	19.65						
5	64QAM	1	24	19.74	19.71	19.70	20.5	0				
5	64QAM	12	0	19.70	19.64	19.64						
5	64QAM	12	7	19.66	19.60	19.67						
5	64QAM	12	13	19.63	19.58	19.65						
5	64QAM	25	0	19.66	19.52	19.68	20.5	0				
Channel												
Frequency (MHz)												
3	QPSK	1	0	19.34	19.40	19.43				20.5	0	
3	QPSK	1	8	19.46	19.43	19.50						
3	QPSK	1	14	19.41	19.38	19.43						
3	QPSK	8	0	19.52	19.50	19.56						
3	QPSK	8	4	19.56	19.50	19.56	20.5	0				
3	QPSK	8	7	19.52	19.47	19.50						
3	QPSK	15	0	19.52	19.47	19.53						
3	16QAM	1	0	19.62	19.76	19.63						
3	16QAM	1	8	19.51	19.79	19.73	20.5	0				
3	16QAM	1	14	19.79	19.77	19.76						
3	16QAM	8	0	19.73	19.63	19.69						
3	16QAM	8	4	19.69	19.63	19.68						
3	16QAM	8	7	19.66	19.59	19.66	20.5	0				
3	16QAM	15	0	19.61	19.64	19.70						
3	64QAM	1	0	19.72	19.70	19.62						
3	64QAM	1	8	19.74	19.72	19.76						
3	64QAM	1	14	19.67	19.69	19.71	20.5	0				
3	64QAM	8	0	19.68	19.64	19.69						
3	64QAM	8	4	19.65	19.68	19.67						
3	64QAM	8	7	19.62	19.61	19.69						
3	64QAM	15	0	19.64	19.54	19.66	20.5	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	19.41	19.26	19.20				20.5	0	
1.4	QPSK	1	3	19.45	19.43	19.46						
1.4	QPSK	1	5	19.39	19.37	19.44						
1.4	QPSK	3	0	19.41	19.41	19.44						
1.4	QPSK	3	1	19.44	19.40	19.44	20.5	0				
1.4	QPSK	3	3	19.52	19.40	19.46						
1.4	QPSK	6	0	19.75	19.77	19.79						
1.4	16QAM	1	0	19.77	19.72	19.78						
1.4	16QAM	1	3	19.70	19.79	19.72	20.5	0				
1.4	16QAM	1	5	19.75	19.72	19.77						
1.4	16QAM	3	0	19.63	19.56	19.56						
1.4	16QAM	3	1	19.63	19.56	19.61						
1.4	16QAM	3	3	19.53	19.48	19.53	20.5	0				
1.4	16QAM	6	0	19.64	19.61	19.67						
1.4	64QAM	1	0	19.69	19.69	19.74						
1.4	64QAM	1	3	19.76	19.72	19.76						
1.4	64QAM	1	5	19.68	19.67	19.65	20.5	0				
1.4	64QAM	3	0	19.54	19.54	19.62						
1.4	64QAM	3	1	19.63	19.60	19.66						
1.4	64QAM	3	3	19.57	19.57	19.59						
1.4	64QAM	6	0	19.59	19.53	19.60	20.5	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.17	19.99	19.95				21	0	
1.4	QPSK	1	3	20.09	20.10	20.06						
1.4	QPSK	1	5	20.02	20.05	19.96						
1.4	QPSK	3	0	20.22	20.15	20.12						
1.4	QPSK	3	1	20.08	20.12	20.22	21	0				
1.4	QPSK	3	3	20.10	20.24	20.20						
1.4	QPSK	6	0	20.12	20.14	20.20						
1.4	16QAM	1	0	20.37	20.23	20.18						
1.4	16QAM	1	3	20.28	20.26	20.28	21	0				
1.4	16QAM	1	5	20.26	20.19	20.24						
1.4	16QAM	3	0	20.23	20.21	20.17						
1.4	16QAM	3	1	20.23	20.24	20.17						
1.4	16QAM	3	3	20.34	20.18	20.29	21	0				
1.4	16QAM	6	0	20.27	20.29	20.10						
1.4	64QAM	1	0	20.22	20.38	20.18						
1.4	64QAM	1	3	20.35	20.38	20.23						
1.4	64QAM	1	5	20.19	20.18	20.28	21	0				
1.4	64QAM	3	0	20.10	20.17	20.26						
1.4	64QAM	3	1	20.12	20.14	20.14						
1.4	64QAM	3	3	20.04								



Reduced Power Mode for Handheld On

Band 30											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel							2771.0				
Frequency (MHz)							2771.0				
10	QPSK	1	0		29.42		21	0			
10	QPSK	1	25		19.92						
10	QPSK	1	49		20.13						
10	QPSK	25	0		20.12		21	0			
10	QPSK	25	12		20.07						
10	QPSK	25	25		20.10						
10	QPSK	50	0		20.08		21	0			
10	16QAM	1	0		20.30						
10	16QAM	1	25		20.40						
10	16QAM	1	49		20.21		21	0			
10	16QAM	25	0		20.04						
10	16QAM	25	12		20.09						
10	16QAM	25	25		20.11		21	0			
10	16QAM	50	0		20.04						
10	16QAM	50	12		20.24						
10	64QAM	1	0		20.24		21	0			
10	64QAM	1	25		20.21						
10	64QAM	1	49		20.38						
10	64QAM	25	0		20.02		21	0			
10	64QAM	25	12		20.12						
10	64QAM	25	25		20.13						
10	64QAM	50	0		20.04		21	0			
Channel									2765.0	2773.0	2773.0
Frequency (MHz)									2307.5	2310	2312.5
5	QPSK	1	0		20.26	20.30	21	0			
5	QPSK	1	12		19.96	20.00					
5	QPSK	1	24		19.98	20.02					
5	QPSK	12	0		20.09	20.14	21	0			
5	QPSK	12	7		20.10	20.09					
5	QPSK	12	13		20.03	20.01					
5	QPSK	25	0		20.01	20.06	21	0			
5	16QAM	1	0		20.37	20.27					
5	16QAM	1	12		20.39	20.32					
5	16QAM	1	24		20.32	20.38	21	0			
5	16QAM	12	0		20.16	20.17					
5	16QAM	12	7		20.17	20.11					
5	16QAM	12	13		20.06	20.05	21	0			
5	16QAM	25	0		20.01	20.06					
5	16QAM	25	0		20.31	20.32					
5	64QAM	1	0		20.31	20.32	21	0			
5	64QAM	1	12		20.22	20.17					
5	64QAM	1	24		20.09	20.19					
5	64QAM	12	0		20.13	20.15	21	0			
5	64QAM	12	7		20.14	20.10					
5	64QAM	12	13		20.02	20.06					
5	64QAM	25	0		20.02	20.09	21	0			
Channel									2765.0	2773.0	2773.0
Frequency (MHz)									2307.5	2310	2312.5

Band 66									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							1327.0	1322.0	1327.0
Frequency (MHz)							1327.0		
20	QPSK	1	0		20.28	20.45	21	0	
20	QPSK	1	49		20.38	20.20			
20	QPSK	1	99		20.34	20.23			
20	QPSK	50	0		20.11	20.29	21	0	
20	QPSK	50	24		20.26	20.27			
20	QPSK	50	50		20.16	20.19			
20	QPSK	100	0		20.23	20.23	21	0	
20	16QAM	1	0		20.34	20.41			
20	16QAM	1	49		20.40	20.42			
20	16QAM	1	99		20.40	20.32	21	0	
20	16QAM	50	0		20.06	20.27			
20	16QAM	50	24		20.19	20.26			
20	16QAM	50	50		20.10	20.27	21	0	
20	16QAM	100	0		20.19	20.23			
20	64QAM	1	0		19.94	20.22			
20	64QAM	1	49		19.88	20.10	21	0	
20	64QAM	1	99		20.02	20.24			
20	64QAM	50	0		20.06	20.19			
20	64QAM	50	24		20.19	20.27	21	0	
20	64QAM	50	50		20.09	20.18			
20	64QAM	100	0		20.18	20.24			
Channel							1324.0	1322.0	1326.0
Frequency (MHz)							1717.5	1745	1772.5
15	QPSK	1	0		20.08	19.97	21	0	
15	QPSK	1	37		20.25	20.08			
15	QPSK	1	74		20.34	20.17			
15	QPSK	36	0		20.22	19.93	21	0	
15	QPSK	36	20		20.19	20.26			
15	QPSK	36	39		20.08	20.24			
15	QPSK	75	0		20.17	19.97	21	0	
15	16QAM	1	0		20.36	20.35			
15	16QAM	1	37		20.30	20.43			
15	16QAM	1	74		20.25	20.28	21	0	
15	16QAM	36	0		20.16	20.28			
15	16QAM	36	20		20.23	20.24			
15	16QAM	36	39		20.01	20.19	21	0	
15	16QAM	75	0		20.17	20.25			
15	64QAM	1	0		20.01	20.23			
15	64QAM	1	37		20.02	19.90	21	0	
15	64QAM	1	74		19.95	20.37			
15	64QAM	36	0		20.08	20.03			
15	64QAM	36	20		20.15	20.30	21	0	
15	64QAM	36	39		20.10	20.39			
15	64QAM	75	0		19.94	20.18			
Channel							1320.0	1322.0	1324.0
Frequency (MHz)							1715	1745	1775
10	QPSK	1	0		20.21	20.18	21	0	
10	QPSK	1	25		20.27	20.11			
10	QPSK	1	49		20.31	20.22			
10	QPSK	25	0		20.22	20.19	21	0	
10	QPSK	25	12		20.43	20.35			
10	QPSK	25	25		20.45	20.31			
10	QPSK	50	0		20.38	20.36	21	0	
10	16QAM	1	0		20.38	20.26			
10	16QAM	1	25		20.29	20.18			
10	16QAM	1	49		20.23	20.28	21	0	
10	16QAM	25	0		20.16	20.38			
10	16QAM	25	12		20.45	20.31			
10	16QAM	25	25		20.23	20.41	21	0	
10	16QAM	50	0		20.43	20.38			
10	64QAM	1	0		20.13	20.11			
10	64QAM	1	25		20.16	20.29	21	0	
10	64QAM	1	49		20.44	20.34			
10	64QAM	25	0		20.21	20.32			
10	64QAM	25	12		20.32	20.29	21	0	
10	64QAM	25	25		20.43	20.36			
10	64QAM	50	0		20.36	20.28			
Channel							1319.0	1322.0	1324.0
Frequency (MHz)							1712.5	1745	1777.5
5	QPSK	1	0		20.14	20.18	21	0	
5	QPSK	1	12		20.24	20.20			
5	QPSK	1	24		20.35	20.38			
5	QPSK	12	0		20.10	19.81	21	0	
5	QPSK	12	7		20.21	20.27			
5	QPSK	12	13		20.15	20.21			
5	QPSK	25	0		20.17	20.06	21	0	
5	16QAM	1	0		20.38	20.39			
5	16QAM	1	12		20.18	20.35			
5	16QAM	1	24		19.97	20.20	21	0	
5	16QAM	12	0		20.15	20.30			
5	16QAM	12	7		20.28	20.25			
5	16QAM	12	13		19.92	20.19	21	0	
5	16QAM	25	0		20.17	20.23			
5	64QAM	1	0		20.05	20.32			
5	64QAM	1	12		19.95	20.07	21	0	
5	64QAM	1	24		19.91	20.15			
5	64QAM	12	0		20.06	20.05			
5	64QAM	12	7		20.10	20.32	21	0	
5	64QAM	12	13		20.12	20.39			
5	64QAM	25	0		20.01	20.08			
Channel							1319.0	1322.0	1324.0
Frequency (MHz)							1711.5	1745	1778.5
3	QPSK	1	0		20.40	20.18	21	0	
3	QPSK	1	8		20.32	20.14			
3	QPSK	1	14		20.42	20.41			
3	QPSK	8	0		20.35	20.13	21	0	
3	QPSK	8	4		20.20	20.21			
3	QPSK	8	7		20.24	20.43			
3	QPSK	15	0		20.21	20.21	21	0	
3	16QAM	1	0		20.40	20.38			
3	16QAM	1	8		20.32	20.26			
3	16QAM	1	14		20.36	20.38	21	0	
3	16QAM	8	0		20.04	20.25			
3	16QAM	8	4		20.17	20.24			
3	16QAM	8	7		20.34	20.25	21	0	
3	16QAM	15	0		20.43	20.37			
3	64QAM	1	0		20.15	20.20			
3	64QAM	1	8		20.17	20.32	21	0	
3	64QAM	1	14		20.38	20.31			
3	64QAM	8	0		20.04	20.17			
3	64QAM	8	4		20.17	20.25	21	0	
3	64QAM	8	7		20.07	20.16			
3	64QAM	15	0		20.42	20.22			
Channel							1319.0</		



2.4GHz WLAN		Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.25	20.50	97.59
		6	2437	19.33	20.50	
		11	2462	19.13	20.50	
802.11g 6Mbps	6	1	2412	14.55	16.00	87.50
		6	2437	18.04	19.50	
		11	2462	12.39	14.00	
802.11n-HT20 MCS0	1	1	2412	13.76	15.00	86.27
		6	2437	18.06	19.50	
		11	2462	11.57	13.00	

2.4GHz WLAN		Receiver On				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.15	17.00	97.59
		6	2437	16.45	17.00	
		11	2462	16.12	17.00	
802.11g 6Mbps	6	1	2412	16.00	17.00	87.50
		6	2437	17.00	17.00	
		11	2462	14.00	14.00	
802.11n-HT20 MCS0	1	1	2412	15.00	15.00	86.27
		6	2437	17.00	17.00	
		11	2462	13.00	13.00	

5GHz WLAN		Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.39	13.50	87.04
		40	5200	16.37	17.00	
		44	5220	16.44	17.00	
802.11n-HT20 MCS0	36	36	5180	12.99	13.50	86.27
		40	5200	15.95	17.00	
		44	5220	16.07	17.00	
802.11n-HT40 MCS0	38	38	5190	13.42	13.50	86.29
		46	5230	15.75	16.50	

5GHz WLAN		Hotspot/Sensor On				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	11.74	12.50	87.04
		40	5200	11.79	12.50	
		44	5220	11.82	12.50	
802.11n-HT20 MCS0	36	36	5180	12.50	12.50	86.27
		40	5200	12.50	12.50	
		44	5220	12.50	12.50	
802.11n-HT40 MCS0	38	38	5190	12.00	12.00	86.29
		46	5230	12.00	12.00	

5GHz WLAN		Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.52	17.00	87.04
		56	5280	16.51	17.00	
		60	5300	16.53	17.00	
802.11n-HT20 MCS0	52	52	5260	16.05	17.00	86.27
		56	5280	16.06	17.00	
		60	5300	16.10	17.00	
802.11n-HT40 MCS0	54	54	5270	16.08	16.50	86.29
		62	5310	14.62	16.50	

5GHz WLAN		Sensor On				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	10.38	11.00	87.04
		56	5280	10.32	11.00	
		60	5300	10.76	11.00	
802.11n-HT20 MCS0	52	52	5260	11.00	11.00	86.27
		56	5280	11.00	11.00	
		60	5300	11.00	11.00	
802.11n-HT40 MCS0	54	54	5270	10.50	10.50	86.29
		62	5310	10.50	10.50	

5GHz WLAN		Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.55	17.00	87.04
		116	5580	16.46	17.00	
		124	5620	16.58	17.00	
		132	5660	16.36	17.00	
		140	5700	16.31	17.00	
802.11n-HT20 MCS0	100	100	5500	15.82	17.00	86.27
		116	5580	16.15	17.00	
		124	5620	16.17	17.00	
		132	5660	16.00	17.00	
802.11n-HT40 MCS0	102	102	5510	15.70	16.50	86.29
		110	5550	16.06	16.50	
		126	5630	16.18	16.50	
		134	5670	15.86	16.50	

5GHz WLAN		Sensor On				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	10.28	11.50	87.04
		116	5580	9.66	11.50	
		124	5620	9.71	11.50	
		132	5660	9.41	11.00	
		140	5700	9.38	11.00	
802.11n-HT20 MCS0	100	100	5500	11.00	11.00	86.27
		116	5580	11.00	11.00	
		124	5620	11.00	11.00	
		132	5660	11.00	11.00	
802.11n-HT40 MCS0	102	102	5510	11.00	11.00	86.29
		110	5550	11.00	11.00	
		126	5630	11.00	11.00	
		134	5670	11.00	11.00	

5GHz WLAN		Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.44	18.00	87.04
		157	5785	17.75	18.00	
		165	5825	17.97	18.00	
802.11n-HT20 MCS0	149	149	5745	17.00	18.00	86.27
		157	5785	17.26	18.00	
		165	5825	17.46	18.00	
802.11n-HT40 MCS0	151	151	5755	16.96	17.50	86.29
		159	5795	17.37	17.50	

5GHz WLAN		Hotspot/Sensor On				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.12	14.00	87.04
		157	5785	13.38	14.00	
		165	5825	13.31	14.00	
802.11n-HT20 MCS0	149	149	5745	14.00	14.00	86.27
		157	5785	14.00	14.00	
		165	5825	14.00	14.00	
802.11n-HT40 MCS0	151	151	5755	13.50	13.50	86.29
		159	5795	13.50	13.50	

**Bluetooth BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.96	5.91	5.77
	CH 39	2441	7.92	5.85	5.81
	CH 78	2480	9.44	7.44	7.47
Tune-up Limit			9.50	7.50	7.50

**Bluetooth LE v4.0**

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	-1.28
	CH 19	2440	-1.26
	CH 39	2480	-0.80
Tune-up Limit			0



**Appendix F. Supplemental Tuner Head & Body SAR Results**

The results are shown as follows.



Head

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
WCDMA V	RMC 12.2Kbps	4233	846.6	-	-	Right Cheek	0mm	0.339	0.440	0.022	0.114	0.167	0.215	0.028	0.132	0.225	0.313	0.113	0.233	0.279	0.032	0.146	0.258	0.305	0.084	0.185	0.244	0.017	0.100	0.210	0.278	0.096	0.258	0.308	0.391	0.130	0.241	0.299
LTE Band 5	QPSK	20525	836.5	1	49	Right Cheek	0mm	0.351	0.456	0.045	0.181	0.275	0.320	0.052	0.224	0.347	0.051	0.200	0.346	0.380	0.056	0.264	0.316	0.349	0.143	0.297	0.376	0.035	0.191	0.335	0.351	0.150	0.243	0.371	0.041	0.244	0.329	0.346
LTE Band 12	QPSK	23095	707.5	1	0	Right Cheek	0mm	0.24	0.293	0.253	0.243	0.221	0.175	0.184	0.093	0.082	0.025	0.144	0.147	0.133	0.046	0.159	0.073	0.027	0.235	0.217	0.176	0.059	0.180	0.093	0.024	0.024	0.076	0.080	0.004	0.121	0.087	0.050
LTE Band 13	QPSK	23230	782	1	25	Right Cheek	0mm	0.362	0.451	0.131	0.285	0.279	0.033	0.119	0.200	0.251	0.384	0.400	0.401	0.406	0.278	0.265	0.240	0.210	0.359	0.393	0.378	0.402	0.204	0.253	0.134	0.346	0.400	0.405	0.266	0.371	0.263	0.146
LTE Band 14	QPSK	23330	793	1	0	Right Cheek	0mm	0.405	0.508	0.177	0.307	0.313	0.045	0.126	0.220	0.341	0.435	0.443	0.451	0.122	0.295	0.243	0.301	0.195	0.447	0.405	0.449	0.186	0.294	0.343	0.279	0.451	0.434	0.450	0.163	0.320	0.311	



**Body**

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
WCDMA V	BMC 12.2Mbps	4182	836.4	-	-	Front	5mm	0.936	1.830	0.086	0.406	0.678	0.896	0.121	0.649	1.142	1.237	1.240	1.005	1.210	0.126	0.700	1.165	1.210	0.305	0.808	0.991	0.059	0.452	0.948	1.239	0.339	0.918	1.225	1.240	0.429	1.028	1.231
LTE Band 5	QPSK	20525	836.5	1	49	Front	5mm	1.09	2.170	0.144	0.559	0.831	0.992	0.173	0.830	1.210	0.143	0.669	1.075	1.278	0.176	0.856	1.329	1.370	0.377	0.782	1.110	0.132	0.530	1.210	1.368	0.503	1.059	1.342	0.054	0.622	1.286	1.357
LTE Band 12	QPSK	23095	707.5	1	0	Front	5mm	0.805	1.670	1.020	1.050	0.956	1.043	1.028	1.026	1.008	0.063	1.008	0.962	0.918	0.963	1.045	0.985	0.063	1.037	1.047	1.049	0.948	1.035	0.993	1.025	0.941	0.968	0.870	1.036	1.010	0.954	0.060
LTE Band 13	QPSK	23290	782	1	25	Front	5mm	0.986	2.020	1.138	1.106	1.262	1.105	1.245	1.069	1.262	1.133	1.121	1.255	1.114	1.116	1.049	1.172	1.086	0.855	1.192	0.869	1.153	1.267	1.146	1.156	1.107	1.217	1.196	1.175	1.116	1.174	1.270
LTE Band 14	QPSK	23330	793	1	0	Bottom Side	5mm	1.13	3.150	0.516	0.830	0.783	0.085	0.438	0.674	0.913	0.917	1.330	1.239	0.175	0.681	0.649	0.379	0.431	0.721	0.887	0.835	0.381	0.696	0.636	0.523	1.017	0.866	1.144	0.629	0.616	0.402	



**Body with SAR higher than 1.2W/Kg**

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																															
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										
LTE B5	QPSK	20525	836.5	1	49	Front	5mm	1.09	2.17	0.092	0.144	0.201	0.257	0.368	0.499	0.559	0.651	0.719	0.733	0.809	0.831	0.880	0.901	0.929	0.962	0.992	1.160	0.054	0.087	0.125										
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
										0.173	0.277	0.418	0.540	0.692	0.830	0.954	1.003	1.103	1.199	1.210	1.260	1.290	1.350	1.273	1.143	0.213	0.294	0.370	0.529	0.669										
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62										
										0.800	0.911	0.996	1.072	1.076	1.125	1.169	1.212	1.248	1.278	1.315	1.361	0.078	0.124	0.176	0.255	0.433	0.618	0.776	0.856	1.032										
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83										
										1.045	1.224	1.318	1.329	1.334	1.351	1.359	1.364	1.370	0.110	0.171	0.227	0.286	0.377	0.523	0.585	0.693	0.754	0.782	0.902	0.983										
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104										
										1.024	1.067	1.110	1.123	1.167	1.370	0.082	0.132	0.182	0.206	0.336	0.463	0.530	0.651	0.890	1.073	1.127	1.210	1.290	1.320	1.361										
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125										
										1.367	1.368	1.370	0.124	0.172	0.457	0.505	0.620	0.756	0.889	0.974	1.099	1.150	1.220	1.270	1.312	1.342	1.361	1.359	1.361	1.368										
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143													
										0.094	0.154	0.252	0.322	0.466	0.622	0.854	0.997	1.092	1.249	1.286	1.337	1.342	1.349	1.352	1.357	1.364	1.369													
										LTE B14	QPSK	23330	793	1	0	Bottom Side	5mm	1.13	3.15	0.119	0.225	0.366	0.434	0.516	0.563	0.612	0.758	0.791	0.830	0.748	0.673	0.601	0.569	0.783	0.979	1.078	1.192	1.328	0.085	0.145
																				21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.210	0.293	0.388	0.438	0.514	0.604	0.710	0.688	0.674	0.732											0.704	0.725	0.764	0.913	1.092	0.421	0.671	0.843	0.917	1.094	1.125										
42	43	44	45	46	47	48	49	50	51											52	53	54	55	56	57	58	59	60	61	62										
1.171	1.271	1.330	1.355	1.386	1.411	1.349	1.239	1.285	1.297											1.278	1.217	0.175	0.361	0.417	0.541	0.612	0.681	0.698	0.652	0.694										
63	64	65	66	67	68	69	70	71	72											73	74	75	76	77	78	79	80	81	82	83										
0.720	0.649	0.750	0.495	0.433	0.447	0.379	0.612	0.563	0.259											0.454	0.432	0.496	0.611	0.601	0.830	0.721	0.735	0.680	0.676	0.792										
84	85	86	87	88	89	90	91	92	93											94	95	96	97	98	99	100	101	102	103	104										
0.887	0.896	0.825	0.673	0.712	0.835	0.146	0.129	0.265	0.345											0.381	0.547	0.529	0.606	0.724	0.696	0.866	0.614	0.765	0.762	0.636										
105	106	107	108	109	110	111	112	113	114											115	116	117	118	119	120	121	122	123	124	125										
0.784	0.639	0.716	0.335	0.523	0.802	0.851	1.081	1.001	1.017											0.998	1.081	1.048	0.870	0.866	1.054	1.166	1.117	1.024	1.144	0.948										
126	127	128	129	130	131	132	133	134	135											136	137	138	139	140	141	142	143													
0.155	0.337	0.389	0.629	0.708	0.672	0.727	0.722	0.616	0.604											0.630	0.601	0.538	0.402	0.484	0.475	0.413	0.329													