

10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAB	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	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %

10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	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	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	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 dc)	WLAN	9.09	± 9.6 %

10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAA	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	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAA	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	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAA	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	AAB	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	AAB	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	AAB	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	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAC	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	AAC	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	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAC	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	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	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	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %

10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.



Full Power

GSM850		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	128	189	251	Limit	128	189	251	Limit	
Frequency (MHz)	824.2	824.4	824.6	(dBm)	824.2	824.4	824.6	(dBm)	
GSM 1 Tx slot	32.43	32.49	32.13	33.50	23.43	23.49	23.13	24.50	
GPRS 1 Tx slot	32.42	32.47	32.12	33.50	23.42	23.47	23.12	24.50	
GPRS 2 Tx slots	28.31	28.28	28.23	29.50	22.31	22.28	22.23	23.50	
GPRS 3 Tx slots	27.11	27.08	26.78	28.20	22.85	22.82	22.52	23.94	
GPRS 4 Tx slots	25.75	25.65	25.45	26.90	22.13	22.45	22.45	23.80	
EDGE 1 Tx slot	25.97	26.04	25.91	27.00	18.97	17.04	18.91	18.00	
EDGE 2 Tx slots	24.24	24.49	24.01	25.20	18.24	18.49	18.01	19.20	
EDGE 3 Tx slots	21.25	22.74	22.57	23.80	16.29	16.48	16.31	19.94	
EDGE 4 Tx slots	21.80	21.53	21.56	22.80	18.80	18.53	18.56	19.80	

GSM1900		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	512	661	810	Limit	512	661	810	Limit	
Frequency (MHz)	1820.2	1860	1899.8	(dBm)	1820.2	1860	1899.8	(dBm)	
GSM 1 Tx slot	29.37	29.68	29.63	30.00	20.37	20.66	20.63	21.00	
GPRS 1 Tx slot	29.38	29.65	29.61	30.00	20.38	20.65	20.61	21.00	
GPRS 2 Tx slots	26.10	26.27	26.27	27.00	20.10	20.27	20.27	21.00	
GPRS 3 Tx slots	22.73	22.87	23.05	23.50	19.73	19.87	20.05	20.50	
EDGE 1 Tx slot	25.33	25.50	25.62	26.00	16.33	16.50	16.62	17.00	
EDGE 2 Tx slots	23.43	23.55	23.52	24.00	17.43	17.55	17.52	18.00	
EDGE 3 Tx slots	21.77	22.00	21.94	22.50	17.51	17.74	17.68	18.24	
EDGE 4 Tx slots	21.22	21.38	21.35	21.80	18.22	18.38	18.35	18.80	

Band	WCDMA II			Tune-up	WCDMA IV			Tune-up	WCDMA V			Tune-up
	TX Channel	962	960		958	Limit	1312		1413	1513	Limit	
Rx Channel	962	960	958	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)	1852.4	1850	1807.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2kops	24.38	24.30	24.40	25.00	24.43	24.46	24.40	25.00	24.03	23.97	24.01	25.00
3GPP Rel 99 RMC 12.2kops	24.38	24.43	24.42	25.00	24.45	24.47	24.41	25.00	24.05	24.08	24.02	25.00
3GPP Rel 6 HSDPA Subtest-1	23.27	23.27	23.37	24.00	23.51	23.59	23.46	24.00	22.96	22.91	22.90	24.00
3GPP Rel 6 HSDPA Subtest-2	23.28	23.28	23.34	24.00	23.58	23.57	23.45	24.00	22.97	22.89	22.92	24.00
3GPP Rel 6 HSDPA Subtest-3	22.77	22.77	22.86	23.50	23.09	23.07	22.97	23.50	22.46	22.42	22.42	23.50
3GPP Rel 6 HSDPA Subtest-4	22.76	22.77	22.87	23.50	23.10	23.05	22.99	23.50	22.44	22.00	22.44	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	23.25	23.28	23.34	24.00	23.48	23.57	23.43	24.00	22.94	22.87	22.88	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.25	23.26	23.31	24.00	23.57	23.55	23.44	24.00	22.96	22.88	22.90	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.78	22.74	22.85	23.50	23.05	23.04	22.95	23.50	22.43	22.39	22.39	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	22.75	22.75	22.84	23.50	23.07	23.01	22.94	23.50	22.43	21.98	22.41	23.50
3GPP Rel 6 HSUPA Subtest-1	23.29	23.38	23.35	24.00	23.57	23.58	23.48	24.00	22.96	22.89	22.91	24.00
3GPP Rel 6 HSUPA Subtest-2	21.29	21.27	21.35	22.00	21.57	21.58	21.39	22.00	20.98	20.89	20.91	22.00
3GPP Rel 6 HSUPA Subtest-3	22.29	22.26	22.37	23.00	22.55	22.58	22.45	23.00	21.96	21.91	21.92	23.00
3GPP Rel 6 HSUPA Subtest-4	21.26	21.27	21.37	22.00	21.56	21.50	21.46	22.00	20.96	20.90	20.91	22.00
3GPP Rel 6 HSUPA Subtest-5	23.30	23.30	23.40	24.00	23.60	23.60	23.50	24.00	23.00	22.90	22.90	24.00



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.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	24.28	24.31	24.30			
20	QPSK	1	49	24.20	24.18	24.26		25	0
20	QPSK	1	99	24.30	24.17	24.24			
20	QPSK	50	0	23.36	23.39	23.33			
20	QPSK	50	24	23.36	23.32	23.34		24	1
20	QPSK	50	50	23.35	23.34	23.36			
20	QPSK	100	0	23.33	23.37	23.33			
20	16QAM	1	0	23.76	23.84	23.85			
20	16QAM	1	49	23.54	23.54	23.65		24	1
20	16QAM	1	99	23.54	23.49	23.57			
20	16QAM	50	0	22.39	22.24	22.32			
20	16QAM	50	24	22.39	22.39	22.32			
20	16QAM	50	50	22.37	22.33	22.43		23	2
20	16QAM	100	0	22.34	22.33	22.31			
20	64QAM	1	0	22.69	22.72	22.65			
20	64QAM	1	49	22.50	22.58	22.73		23	2
20	64QAM	1	99	22.62	22.49	22.50			
20	64QAM	50	0	21.39	21.24	21.30			
20	64QAM	50	24	21.37	21.34	21.33			
20	64QAM	50	50	21.34	21.31	21.39		22	3
20	64QAM	100	0	21.36	21.33	21.32			
Channel				1897.5	1890	1902.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1902.5			
15	QPSK	1	0	24.28	24.22	24.29			
15	QPSK	1	37	24.21	24.17	24.23		25	0
15	QPSK	1	74	24.21	24.19	24.25			
15	QPSK	36	0	23.34	23.27	23.29			
15	QPSK	36	20	23.38	23.35	23.34			
15	QPSK	36	39	23.34	23.33	23.41		24	1
15	QPSK	75	0	23.34	23.31	23.30			
15	16QAM	1	0	23.64	23.62	23.68			
15	16QAM	1	37	23.62	23.61	23.70		24	1
15	16QAM	1	74	23.58	23.49	23.58			
15	16QAM	36	0	22.37	22.25	22.27			
15	16QAM	36	20	22.37	22.34	22.34			
15	16QAM	36	39	22.38	22.36	22.40		23	2
15	16QAM	75	0	22.37	22.35	22.31			
15	64QAM	1	0	22.65	22.67	22.74			
15	64QAM	1	37	22.57	22.59	22.72		23	2
15	64QAM	1	74	22.58	22.47	22.52			
15	64QAM	36	0	21.39	21.24	21.31			
15	64QAM	36	20	21.37	21.34	21.32			
15	64QAM	36	39	21.36	21.34	21.39		22	3
15	64QAM	75	0	21.37	21.31	21.32			
Channel				1897.5	1890	1905	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1905			
10	QPSK	1	0	24.27	24.23	24.26			
10	QPSK	1	25	24.16	24.16	24.27		25	0
10	QPSK	1	49	24.17	24.18	24.26			
10	QPSK	25	0	23.34	23.30	23.29			
10	QPSK	25	12	23.38	23.33	23.34			
10	QPSK	25	25	23.37	23.36	23.45		24	1
10	QPSK	50	0	23.36	23.33	23.30			
10	16QAM	1	0	23.61	23.58	23.59			
10	16QAM	1	25	23.57	23.54	23.64		24	1
10	16QAM	1	49	23.60	23.58	23.62			
10	16QAM	25	0	22.37	22.29	22.34			
10	16QAM	25	12	22.40	22.36	22.35			
10	16QAM	25	25	22.35	22.35	22.44		23	2
10	16QAM	50	0	22.36	22.35	22.32			
10	64QAM	1	0	22.67	22.67	22.70			
10	64QAM	1	25	22.63	22.68	22.94		23	2
10	64QAM	1	49	22.61	22.62	22.64			
10	64QAM	25	0	21.36	21.33	21.29			
10	64QAM	25	12	21.41	21.40	21.41			
10	64QAM	25	25	21.36	21.36	21.47		22	3
10	64QAM	50	0	21.37	21.34	21.32			
Channel				1897.5	1890	1917.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1917.5			
5	QPSK	1	0	24.27	24.19	24.26			
5	QPSK	1	12	24.25	24.23	24.25		25	0
5	QPSK	1	24	24.25	24.23	24.25			
5	QPSK	12	0	23.38	23.29	23.35			
5	QPSK	12	7	23.40	23.31	23.42			
5	QPSK	12	13	23.40	23.29	23.37		24	1
5	QPSK	25	0	23.37	23.27	23.36			
5	16QAM	1	0	23.54	23.46	23.57			
5	16QAM	1	12	23.49	23.49	23.55		24	1
5	16QAM	1	24	23.57	23.52	23.63			
5	16QAM	12	0	22.39	22.31	22.39			
5	16QAM	12	7	22.40	22.35	22.39			
5	16QAM	12	13	22.40	22.35	22.44		23	2
5	16QAM	25	0	22.39	22.34	22.36			
5	64QAM	1	0	22.47	22.45	22.45			
5	64QAM	1	12	22.44	22.35	22.42		23	2
5	64QAM	1	24	22.46	22.45	22.51			
5	64QAM	12	0	21.37	21.28	21.38			
5	64QAM	12	7	21.40	21.32	21.41			
5	64QAM	12	13	21.39	21.34	21.40		22	3
5	64QAM	25	0	21.39	21.29	21.36			
Channel				1897.5	1890	1919.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1919.5			
3	QPSK	1	0	24.23	24.12	24.18			
3	QPSK	1	8	24.28	24.20	24.23		25	0
3	QPSK	1	14	24.30	24.19	24.25			
3	QPSK	8	0	23.35	23.31	23.33			
3	QPSK	8	4	23.40	23.31	23.39			
3	QPSK	8	7	23.39	23.30	23.34		24	1
3	QPSK	15	0	23.35	23.28	23.35			
3	16QAM	1	0	23.63	23.47	23.53			
3	16QAM	1	8	23.57	23.51	23.59		24	1
3	16QAM	1	14	23.56	23.49	23.52			
3	16QAM	8	0	22.38	22.34	22.40			
3	16QAM	8	4	22.45	22.38	22.43			
3	16QAM	8	7	22.40	22.37	22.44		23	2
3	16QAM	15	0	22.38	22.32	22.33			
3	64QAM	1	0	22.50	22.41	22.47			
3	64QAM	1	8	22.52	22.48	22.49		23	2
3	64QAM	1	14	22.55	22.47	22.50			
3	64QAM	8	0	21.38	21.29	21.33			
3	64QAM	8	4	21.40	21.34	21.40			
3	64QAM	8	7	21.36	21.32	21.36		22	3
3	64QAM	15	0	21.34	21.29	21.35			
Channel				1897.5	1890	1919.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1919.5			
1.4	QPSK	1	0	24.13	24.08	24.14			
1.4	QPSK	1	3	24.20	24.16	24.19			
1.4	QPSK	1	5	24.15	24.11	24.14		25	0
1.4	QPSK	3	0	24.16	24.15	24.19			
1.4	QPSK	3	1	24.20	24.13	24.21			
1.4	QPSK	3	3	24.17	24.17	24.17			
1.4	QPSK	6	0	23.28	23.23	23.23		24	1
1.4	16QAM	1	0	23.49	23.40	23.47			
1.4	16QAM	1	3	23.55	23.48	23.50			
1.4	16QAM	1	5	23.48	23.46	23.49			
1.4	16QAM	3	0	23.21	23.14	23.26		24	1
1.4	16QAM	3	1	23.27	23.20	23.29			
1.4	16QAM	3	3	23.21	23.16	23.24			
1.4	16QAM	6	0	22.34	22.28	22.33		23	2
1.4	64QAM	1	0	22.41	22.39	22.43			
1.4	64QAM	1	3	22.47	22.43	22.47			
1.4	64QAM	1	5	22.44	22.35	22.41			
1.4	64QAM	3	0	22.32	22.25	22.28		23	2
1.4	64QAM	3	1	22.38	22.28	22.33			
1.4	64QAM	3	3	22.30	22.29	22.29			
1.4	64QAM	6	0	21.28	21.23	21.24		22	3

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)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	24.41	24.44	24.41			
20	QPSK	1	49	24.23	24.25	24.22		25	0
20	QPSK	1	99	24.25	24.21	24.14			
20	QPSK	50	0	23.47	23.51	23.43			
20	QPSK	50	24	23.45	23.39	23.43		24	1
20	QPSK	50	50	23.38	23.42	23.33			
20	QPSK	100	0	23.33	23.37	23.36			
20	16QAM	1	0	23.78	23.75	23.74			
20	16QAM	1	49	23.58	23.65	23.59		24	1
20	16QAM	1	99	23.59	23.57	23.52			
20	16QAM	50	0	22.47	22.50	22.45			
20	16QAM	50	24	22.45	22.40	22.44			
20	16QAM	50	50	22.38	22.40	22.32		23	2
20	16QAM	100	0	22.46	22.37	22.39			
20	64QAM	1	0	22.70	22.73	22.70			
20	64QAM	1	49	22.51	22.60	22.46		23	2
20	64QAM	1	99	22.57					



Band 5 (Cellular Band)										
Part 22(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)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.75	23.81	23.87	25	0		
10	QPSK	1	25	23.65	23.63	23.61	25	0		
10	QPSK	1	49	23.57	23.80	23.66	25	0		
10	QPSK	25	0	22.78	22.90	22.83	24	1		
10	QPSK	25	12	22.79	22.64	22.68	24	1		
10	QPSK	25	25	22.76	22.64	22.70	24	1		
10	QPSK	50	0	22.69	22.79	22.65	24	1		
10	16QAM	1	0	23.12	23.02	22.91	24	1		
10	16QAM	1	25	23.06	22.87	22.91	24	1		
10	16QAM	1	49	23.00	22.92	22.96	24	1		
10	16QAM	25	0	21.80	21.65	21.66	23	2		
10	16QAM	25	12	21.82	21.68	21.68	23	2		
10	16QAM	25	25	21.76	21.70	21.70	23	2		
10	16QAM	50	0	21.80	21.70	21.65	23	2		
10	64QAM	1	0	22.14	22.06	22.04	23	2		
10	64QAM	1	25	22.07	22.02	22.10	23	2		
10	64QAM	1	49	22.02	22.13	22.20	23	2		
10	64QAM	25	0	20.74	20.61	20.65	22	3		
10	64QAM	25	12	20.83	20.76	20.69	22	3		
10	64QAM	25	25	20.76	20.67	20.69	22	3		
10	64QAM	50	0	20.80	20.68	20.65	22	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.67	23.80	23.52	25	0		
5	QPSK	1	12	23.60	23.70	23.45	25	0		
5	QPSK	1	24	23.62	23.72	23.50	25	0		
5	QPSK	12	0	22.72	22.41	22.51	24	1		
5	QPSK	12	7	22.72	22.46	22.54	24	1		
5	QPSK	12	13	22.71	22.46	22.48	24	1		
5	QPSK	25	0	22.73	22.48	22.44	24	1		
5	16QAM	1	0	22.94	22.73	22.71	24	1		
5	16QAM	1	12	22.87	22.66	22.67	24	1		
5	16QAM	1	24	22.84	22.67	22.72	24	1		
5	16QAM	12	0	21.72	21.49	21.55	23	2		
5	16QAM	12	7	21.74	21.53	21.56	23	2		
5	16QAM	12	13	21.71	21.47	21.52	23	2		
5	16QAM	25	0	21.74	21.49	21.49	23	2		
5	64QAM	1	0	21.91	21.65	21.72	23	2		
5	64QAM	1	12	21.80	21.63	21.69	23	2		
5	64QAM	1	24	21.86	21.66	21.72	23	2		
5	64QAM	12	0	20.69	20.44	20.51	22	3		
5	64QAM	12	7	20.76	20.51	20.57	22	3		
5	64QAM	12	13	20.65	20.61	20.51	22	3		
5	64QAM	25	0	20.72	20.65	20.68	22	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.43	23.38	23.50	25	0		
3	QPSK	1	8	23.56	23.45	23.51	25	0		
3	QPSK	1	14	23.73	23.38	23.41	25	0		
3	QPSK	8	0	22.51	22.44	22.55	24	1		
3	QPSK	8	4	22.59	22.54	22.56	24	1		
3	QPSK	8	7	22.55	22.46	22.58	24	1		
3	QPSK	15	0	22.56	22.47	22.48	24	1		
3	16QAM	1	0	22.71	22.69	22.80	24	1		
3	16QAM	1	8	22.75	22.71	22.78	24	1		
3	16QAM	1	14	22.67	22.68	22.73	24	1		
3	16QAM	8	0	21.55	21.49	21.51	23	2		
3	16QAM	8	4	21.58	21.53	21.52	23	2		
3	16QAM	8	7	21.58	21.50	21.54	23	2		
3	16QAM	15	0	21.57	21.47	21.48	23	2		
3	64QAM	1	0	21.74	21.67	21.79	23	2		
3	64QAM	1	8	21.70	21.65	21.69	23	2		
3	64QAM	1	14	21.75	21.61	21.76	23	2		
3	64QAM	8	0	20.49	20.45	20.51	22	3		
3	64QAM	8	4	20.59	20.49	20.53	22	3		
3	64QAM	8	7	20.51	20.46	20.52	22	3		
3	64QAM	15	0	20.57	20.44	20.50	22	3		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.63	23.64	23.66	25	0		
1.4	QPSK	1	3	23.37	23.75	23.71	25	0		
1.4	QPSK	1	5	23.28	23.30	23.33	25	0		
1.4	QPSK	3	0	23.38	23.25	23.29	25	0		
1.4	QPSK	3	1	23.40	23.31	23.31	25	0		
1.4	QPSK	3	3	23.35	23.30	23.29	25	0		
1.4	QPSK	6	0	22.44	22.38	22.38	24	1		
1.4	16QAM	1	0	22.57	22.58	22.58	24	1		
1.4	16QAM	1	3	22.75	22.64	22.73	24	1		
1.4	16QAM	1	5	22.65	22.57	22.57	24	1		
1.4	16QAM	3	0	22.44	22.31	22.36	24	1		
1.4	16QAM	3	1	22.47	22.40	22.39	24	1		
1.4	16QAM	3	3	22.38	22.37	22.31	23	2		
1.4	16QAM	6	0	21.52	21.45	21.49	23	2		
1.4	64QAM	1	0	21.53	21.49	21.56	23	2		
1.4	64QAM	1	3	21.62	21.56	21.66	23	2		
1.4	64QAM	1	5	21.60	21.53	21.57	23	2		
1.4	64QAM	3	0	21.45	21.38	21.44	23	2		
1.4	64QAM	3	1	21.49	21.41	21.42	23	2		
1.4	64QAM	3	3	21.44	21.35	21.38	23	2		
1.4	64QAM	6	0	20.43	20.36	20.38	22	3		

Band 7 (2600MHz Band)										
Part 27										
BW [MHz]	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	24.31	24.47	24.40	25	0		
20	QPSK	1	49	24.30	24.35	24.33	25	0		
20	QPSK	1	99	24.21	24.43	24.36	25	0		
20	QPSK	50	0	23.44	23.77	23.87	24	1		
20	QPSK	50	24	23.44	23.51	23.70	24	1		
20	QPSK	50	50	23.43	23.44	23.70	24	1		
20	QPSK	100	0	23.50	23.73	23.55	24	1		
20	16QAM	1	0	23.77	23.77	23.86	24	1		
20	16QAM	1	49	23.60	23.67	23.85	24	1		
20	16QAM	1	99	23.49	23.64	23.77	24	1		
20	16QAM	50	0	22.44	22.49	22.75	23	2		
20	16QAM	50	24	22.53	22.44	22.78	23	2		
20	16QAM	50	50	22.39	22.50	22.77	23	2		
20	16QAM	100	0	22.40	22.48	22.67	23	2		
20	64QAM	1	0	22.42	22.56	22.71	23	2		
20	64QAM	1	49	22.45	22.55	22.71	23	2		
20	64QAM	1	99	22.51	22.67	22.84	23	2		
20	64QAM	50	0	21.46	21.55	21.75	22	3		
20	64QAM	50	24	21.49	21.56	21.75	22	3		
20	64QAM	50	50	21.45	21.57	21.77	22	3		
20	64QAM	100	0	21.46	21.42	21.73	22	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.37	24.41	24.44	25	0		
15	QPSK	1	37	24.28	24.39	24.45	25	0		
15	QPSK	1	74	24.30	24.45	24.42	25	0		
15	QPSK	36	0	23.51	23.55	23.74	24	1		
15	QPSK	36	20	23.49	23.51	23.69	24	1		
15	QPSK	36	39	23.43	23.44	23.68	24	1		
15	QPSK	75	0	23.48	23.49	23.71	24	1		
15	16QAM	1	0	23.71	23.76	23.79	24	1		
15	16QAM	1	37	23.65	23.66	23.96	24	1		
15	16QAM	1	74	23.62	23.70	23.80	24	1		
15	16QAM	36	0	22.41	22.44	22.64	23	2		
15	16QAM	36	20	22.54	22.54	22.74	23	2		
15	16QAM	36	39	22.48	22.50	22.71	23	2		
15	16QAM	75	0	22.45	22.49	22.71	23	2		
15	64QAM	1	0	22.54	22.62	22.81	23	2		
15	64QAM	1	37	22.54	22.62	22.81	23	2		
15	64QAM	1	74	22.54	22.61	22.74	23	2		
15	64QAM	36	0	21.52	21.49	21.74	22	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.	MPR (dB)
Channel				23230			
Frequency (MHz)				762			
10	QPSK	1	0	23.19	23.83	24.49	25
10	QPSK	1	25	23.85	24.49	25.13	
10	QPSK	1	49	24.51	25.15	25.79	
10	QPSK	25	0	23.07	23.71	24.35	24
10	QPSK	25	12	23.03	23.67	24.31	
10	QPSK	25	25	22.91	23.55	24.19	
10	QPSK	50	0	23.06	23.70	24.34	24
10	16QAM	1	0	22.33	22.97	23.61	
10	16QAM	1	25	23.20	23.84	24.48	
10	16QAM	1	49	23.10	23.74	24.38	23
10	16QAM	25	0	21.94	22.58	23.22	
10	16QAM	25	12	22.02	22.66	23.30	
10	16QAM	25	25	21.98	22.62	23.26	23
10	16QAM	50	0	22.04	22.68	23.32	
10	64QAM	1	0	22.33	22.97	23.61	
10	64QAM	1	25	22.22	22.86	23.50	23
10	64QAM	1	49	22.24	22.88	23.52	
10	64QAM	25	0	20.96	21.60	22.24	
10	64QAM	25	12	21.08	21.72	22.36	22
10	64QAM	25	25	20.94	21.58	22.22	
10	64QAM	50	0	21.01	21.65	22.29	
Channel				23205			
Frequency (MHz)				762			
5	QPSK	1	0	23.87	23.70	23.66	25
5	QPSK	1	12	23.87	23.78	23.70	
5	QPSK	1	24	23.90	23.71	23.70	
5	QPSK	12	0	23.01	22.86	22.78	24
5	QPSK	12	7	23.04	22.87	22.77	
5	QPSK	12	13	23.02	22.84	22.80	
5	QPSK	25	0	23.02	22.87	22.77	24
5	16QAM	1	0	22.16	21.99	21.91	
5	16QAM	1	12	23.19	22.96	22.97	
5	16QAM	1	24	23.18	23.02	22.97	23
5	16QAM	12	0	22.04	21.90	21.81	
5	16QAM	12	7	22.08	21.91	21.79	
5	16QAM	12	13	22.05	21.87	21.84	23
5	16QAM	25	0	22.02	21.90	21.81	
5	64QAM	1	0	22.16	21.99	21.91	
5	64QAM	1	12	22.14	21.97	21.92	23
5	64QAM	1	24	22.14	22.01	21.92	
5	64QAM	12	0	20.98	20.83	20.79	
5	64QAM	12	7	21.01	20.87	20.76	22
5	64QAM	12	13	20.99	20.88	20.82	
5	64QAM	25	0	21.08	20.90	20.80	

Band 66							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				132072			
Frequency (MHz)				1723			
20	QPSK	1	0	23.87	23.89	23.91	25
20	QPSK	1	49	24.40	24.39	24.40	
20	QPSK	1	99	24.34	24.40	24.16	
20	QPSK	50	0	23.54	23.59	23.43	24
20	QPSK	50	24	23.57	23.45	23.40	
20	QPSK	50	50	23.54	23.51	23.39	
20	QPSK	100	0	23.44	23.57	23.37	24
20	16QAM	1	0	22.97	22.89	22.76	
20	16QAM	1	49	23.78	23.78	23.67	
20	16QAM	1	99	23.69	23.62	23.52	23
20	16QAM	50	0	22.54	22.54	22.46	
20	16QAM	50	24	22.62	22.49	22.44	
20	16QAM	50	50	22.55	22.48	22.41	23
20	16QAM	100	0	22.56	22.47	22.39	
20	64QAM	1	0	22.74	22.80	22.76	
20	64QAM	1	49	22.68	22.68	22.64	23
20	64QAM	1	99	22.48	22.65	22.51	
20	64QAM	50	0	21.50	21.49	21.42	
20	64QAM	50	24	21.58	21.48	21.35	22
20	64QAM	50	50	21.52	21.46	21.39	
20	64QAM	100	0	21.56	21.47	21.40	
Channel				132047			
Frequency (MHz)				1723.5			
15	QPSK	1	0	24.41	24.44	24.38	25
15	QPSK	1	37	24.38	24.35	24.26	
15	QPSK	1	74	24.35	24.30	24.20	
15	QPSK	36	0	23.89	23.90	23.99	24
15	QPSK	36	20	23.57	23.47	23.48	
15	QPSK	36	39	23.52	23.47	23.36	
15	QPSK	75	0	23.53	23.46	23.42	24
15	64QAM	1	0	22.72	22.74	22.72	
15	16QAM	1	37	23.70	23.70	23.64	
15	16QAM	1	74	23.72	23.69	23.55	23
15	16QAM	36	0	22.58	22.51	22.36	
15	16QAM	36	20	22.60	22.50	22.46	
15	16QAM	36	39	22.53	22.49	22.38	23
15	16QAM	75	0	22.57	22.46	22.47	
15	64QAM	1	0	22.74	22.72	22.72	
15	64QAM	1	37	22.67	22.69	22.67	23
15	64QAM	1	74	22.69	22.63	22.54	
15	64QAM	36	0	21.59	21.50	21.40	
15	64QAM	36	20	21.57	21.50	21.46	22
15	64QAM	36	39	21.52	21.49	21.37	
15	64QAM	75	0	21.55	21.47	21.45	
Channel				132022			
Frequency (MHz)				1723.5			
10	QPSK	1	0	24.47	24.49	24.30	25
10	QPSK	1	25	24.33	24.45	24.31	
10	QPSK	1	49	24.34	24.28	24.18	
10	QPSK	25	0	23.52	23.42	23.31	24
10	QPSK	25	12	23.55	23.43	23.32	
10	QPSK	25	25	23.50	23.45	23.36	
10	QPSK	50	0	23.84	23.83	23.29	24
10	16QAM	1	0	23.82	23.81	23.70	
10	16QAM	1	25	23.85	23.80	23.65	
10	16QAM	1	49	23.71	23.68	23.57	23
10	16QAM	25	0	22.54	22.46	22.28	
10	16QAM	25	12	22.56	22.41	22.31	
10	16QAM	25	25	22.48	22.49	22.33	23
10	16QAM	50	0	22.52	22.45	22.30	
10	64QAM	1	0	22.83	22.84	22.72	
10	64QAM	1	25	22.74	22.76	22.69	23
10	64QAM	1	49	22.74	22.76	22.65	
10	64QAM	25	0	21.56	21.43	21.34	
10	64QAM	25	12	21.58	21.46	21.34	22
10	64QAM	25	25	21.48	21.47	21.34	
10	64QAM	50	0	21.53	21.44	21.39	
Channel				131997			
Frequency (MHz)				1723.5			
5	QPSK	1	0	24.42	24.35	24.30	25
5	QPSK	1	12	24.41	24.47	24.29	
5	QPSK	1	24	24.38	24.38	24.14	
5	QPSK	12	0	23.52	23.45	23.30	24
5	QPSK	12	7	23.58	23.53	23.35	
5	QPSK	12	13	23.54	23.49	23.29	
5	QPSK	25	0	23.51	23.50	23.31	24
5	16QAM	1	0	23.80	23.66	23.60	
5	16QAM	1	12	23.78	23.76	23.53	
5	16QAM	1	24	23.70	23.71	23.57	23
5	16QAM	12	0	22.56	22.46	22.37	
5	16QAM	12	7	22.60	22.55	22.40	
5	16QAM	12	13	22.51	22.50	22.33	23
5	16QAM	25	0	22.56	22.43	22.37	
5	64QAM	1	0	22.72	22.80	22.56	
5	64QAM	1	12	22.68	22.61	22.45	23
5	64QAM	1	24	22.63	22.58	22.43	
5	64QAM	12	0	21.55	21.43	21.37	
5	64QAM	12	7	21.58	21.51	21.39	22
5	64QAM	12	13	21.47	21.47	21.46	
5	64QAM	25	0	21.54	21.45	21.46	
Channel				131987			
Frequency (MHz)				1723.5			
3	QPSK	1	0	24.33	24.38	24.27	25
3	QPSK	1	8	24.41	24.45	24.32	
3	QPSK	1	14	24.39	24.36	24.21	
3	QPSK	8	0	23.57	23.45	23.36	24
3	QPSK	8	4	23.53	23.51	23.37	
3	QPSK	8	7	23.51	23.50	23.31	
3	QPSK	15	0	23.56	23.40	23.32	24
3	16QAM	1	0	23.79	23.70	23.59	
3	16QAM	1	8	23.81	23.82	23.64	
3	16QAM	1	14	23.76	23.73	23.61	23
3	16QAM	8	0	22.57	22.50	22.37	
3	16QAM	8	4	22.62	22.57	22.40	
3	16QAM	8	7	22.56	22.55	22.35	23
3	16QAM	15	0	22.55	22.46	22.37	
3	64QAM	1	0	22.68	22.58	22.55	
3	64QAM	1	8	22.73	22.66	22.55	23
3	64QAM	1	14	22.67	22.63	22.50	
3	64QAM	8	0	21.58	21.45	21.39	
3	64QAM	8	4	21.54	21.51	21.41	22
3	64QAM	8	7	21.54	21.51	21.37	
3	64QAM	15	0	21.51	21.41	21.37	
Channel				131979			
Frequency (MHz)				1723.5			
1.4	QPSK	1	0	24.34	24.30	24.31	25
1.4	QPSK	1	3	24.39	24.35	24.18	
1.4	QPSK	1	5	24.30	24.26	24.16	
1.4	QPSK</						



Band 48 (3.5G Band)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power MiddleCh. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	55990	56150	56640		
Frequency (MHz)				3560	3600	3625	3641	3690		
20	QPSK	1	0	22.74	23.33	23.09	23.09	22.87	24.3	0
20	QPSK	1	49	22.90	23.19	23.03	22.79	22.79		
20	QPSK	1	99	22.98	23.33	22.99	22.77	22.76		
20	QPSK	50	0	21.87	22.36	22.08	21.93	21.96	23.3	1
20	QPSK	50	24	21.98	22.36	22.07	21.98	21.94		
20	QPSK	50	50	22.00	22.27	22.06	21.94	21.92		
20	QPSK	100	0	21.89	22.33	21.87	21.85	21.90	23.3	1
20	16QAM	1	0	21.94	22.29	22.18	22.11	22.01		
20	16QAM	1	49	21.98	22.26	21.96	21.83	21.97		
20	16QAM	1	99	22.06	22.28	22.02	21.93	21.86	22.3	2
20	16QAM	50	0	21.01	21.34	21.22	21.08	21.12		
20	16QAM	50	24	21.03	21.31	21.28	21.04	21.03		
20	16QAM	50	50	21.13	21.26	21.28	21.04	21.02	21.3	3
20	16QAM	100	0	20.90	21.35	21.22	21.04	20.96		
20	64QAM	1	0	20.33	20.35	20.24	19.96	19.85		
20	64QAM	1	49	20.37	20.36	19.89	19.53	19.75	22.3	2
20	64QAM	1	99	20.33	20.32	19.75	19.69	19.35		
20	64QAM	50	0	19.87	19.69	19.42	19.12	19.20		
20	64QAM	50	24	19.95	19.62	19.43	19.06	19.11	21.3	3
20	64QAM	50	50	19.96	19.61	19.39	19.14	19.01		
20	64QAM	100	0	19.73	19.48	19.32	19.01	19.12		
Channel				55315	55820	55990	56160	56665		
Frequency (MHz)				3577.5	3608	3625	3642	3692.5		
15	QPSK	1	0	22.57	23.06	23.07	22.83	22.93	24.3	0
15	QPSK	1	37	22.77	23.08	23.01	22.82	22.57		
15	QPSK	1	74	22.88	23.13	23.16	22.67	22.69		
15	QPSK	36	0	22.35	22.26	22.33	22.00	21.97	23.3	1
15	QPSK	36	20	21.85	22.25	22.36	21.93	21.91		
15	QPSK	36	39	21.91	22.24	22.34	22.05	22.03		
15	QPSK	75	0	21.83	22.25	22.18	21.83	21.92	23.3	1
15	16QAM	1	0	21.71	22.28	22.23	22.02	21.96		
15	16QAM	1	37	21.75	22.24	22.28	21.82	21.67		
15	16QAM	1	74	22.04	22.34	22.37	21.84	21.60	22.3	2
15	16QAM	36	0	20.81	21.28	21.34	21.12	21.05		
15	16QAM	36	20	20.77	21.28	21.43	21.01	20.97		
15	16QAM	36	39	20.91	21.24	21.34	21.05	20.92	21.3	3
15	16QAM	75	0	20.83	21.36	21.35	21.00	20.96		
15	64QAM	1	0	20.38	20.20	20.10	19.93	19.82		
15	64QAM	1	37	20.48	20.27	20.07	19.50	19.48	22.3	2
15	64QAM	1	74	20.60	20.22	20.12	19.69	19.31		
15	64QAM	36	0	19.91	19.35	19.35	19.18	19.08		
15	64QAM	36	20	19.97	19.35	19.40	19.02	18.96	21.3	3
15	64QAM	36	39	19.94	19.25	19.35	19.13	18.98		
15	64QAM	75	0	19.78	19.35	19.28	19.03	19.00		
Channel				55290	55815	55990	56165	56690		
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	22.59	23.06	23.07	22.63	22.79	24.3	0
10	QPSK	1	25	22.66	23.09	22.99	22.59	22.53		
10	QPSK	1	49	22.78	23.01	22.66	22.64	22.56		
10	QPSK	25	0	21.80	22.23	22.06	21.86	21.76	23.3	1
10	QPSK	25	12	21.81	22.18	22.04	21.88	21.77		
10	QPSK	25	25	21.85	22.19	21.92	21.80	21.76		
10	QPSK	50	0	21.80	22.19	21.97	21.66	21.57	23.3	1
10	16QAM	1	0	21.75	22.11	22.21	21.64	21.88		
10	16QAM	1	25	21.83	22.15	22.17	21.74	21.66		
10	16QAM	1	49	21.96	22.24	21.86	21.79	21.72	22.3	2
10	16QAM	25	0	20.77	21.23	21.32	20.94	20.92		
10	16QAM	25	12	20.80	21.18	21.23	20.96	20.98		
10	16QAM	25	25	20.80	21.16	21.22	20.91	20.96	22.3	2
10	16QAM	50	0	20.86	21.16	21.16	20.92	20.92		
10	64QAM	1	0	20.35	20.30	20.08	19.75	19.93		
10	64QAM	1	25	20.43	20.48	19.55	19.63	19.60	22.3	2
10	64QAM	1	49	20.72	20.40	19.55	19.59	19.45		
10	64QAM	25	0	19.78	19.59	19.40	19.04	18.97		
10	64QAM	25	12	19.77	19.54	19.31	19.10	19.03	21.3	3
10	64QAM	25	25	19.84	19.61	19.21	19.10	18.99		
10	64QAM	50	0	19.80	19.49	19.32	19.00	18.95		
Channel				55265	55810	55990	56170	56715		
Frequency (MHz)				3525.5	3607	3625	3643	3697.5		
5	QPSK	1	0	22.64	23.23	23.07	22.67	22.69	24.3	0
5	QPSK	1	12	22.58	23.11	23.27	22.61	22.66		
5	QPSK	1	24	22.59	23.14	23.30	22.76	22.69		
5	QPSK	12	0	21.73	22.24	22.85	21.83	21.85	23.3	1
5	QPSK	12	7	21.81	22.22	22.35	21.96	21.88		
5	QPSK	12	13	21.85	22.19	22.41	21.94	21.89		
5	QPSK	25	0	21.79	22.24	22.33	21.78	21.71	23.3	1
5	16QAM	1	0	21.82	22.33	22.21	21.83	21.76		
5	16QAM	1	12	21.87	22.25	22.25	21.88	21.76		
5	16QAM	1	24	21.96	22.31	22.54	21.97	21.86	22.3	2
5	16QAM	12	0	20.75	21.20	21.31	20.94	20.87		
5	16QAM	12	7	20.77	21.15	21.27	21.03	20.97		
5	16QAM	12	13	20.79	21.13	21.31	20.94	20.91	21.3	3
5	16QAM	25	0	20.81	21.20	21.33	20.95	20.87		
5	64QAM	1	0	20.35	20.54	19.99	19.55	19.63		
5	64QAM	1	12	20.26	20.71	19.92	19.60	19.63	22.3	2
5	64QAM	1	24	20.35	20.63	19.88	19.58	19.70		
5	64QAM	12	0	19.72	19.61	19.35	18.98	18.94		
5	64QAM	12	7	19.74	19.62	19.33	19.12	18.97	21.3	3
5	64QAM	12	13	19.80	19.57	19.40	19.11	18.96		
5	64QAM	25	0	19.75	19.49	19.35	19.09	18.85		



Full Power_Ant 3

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	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1850	1880	1900			
20	QPSK	1	0	23.13	22.92	22.82	23.5	0	
20	QPSK	1	49	22.74	22.84	22.86			
20	QPSK	50	0	22.14	22.34	21.87			
20	QPSK	50	24	22.30	22.10	21.86			
20	QPSK	50	50	21.84	21.94	21.93	22.5	1	
20	QPSK	100	0	22.14	22.25	21.91			
20	16QAM	1	0	21.37	21.56	21.42			
20	16QAM	1	49	21.20	21.34	21.30	22.5	1	
20	16QAM	1	99	21.53	21.43	21.38			
20	16QAM	50	0	21.04	21.24	21.16			
20	16QAM	50	24	21.10	21.23	21.13			
20	16QAM	50	50	21.11	21.01	21.00	21.5	2	
20	16QAM	100	0	21.04	21.15	21.03			
20	64QAM	1	0	20.29	20.31	20.35			
20	64QAM	1	49	20.65	20.69	20.62	21.5	2	
20	64QAM	1	99	20.76	20.66	20.61			
20	64QAM	50	0	19.79	19.74	19.76			
20	64QAM	50	24	20.09	20.19	20.10			
20	64QAM	50	50	20.23	20.13	20.11	20.5	3	
20	64QAM	100	0	19.73	20.04	19.72			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.14	23.07	22.79	23.5	0	
15	QPSK	1	37	23.16	23.01	22.77			
15	QPSK	1	74	22.72	22.91	22.78			
15	QPSK	36	0	22.34	22.14	22.10			
15	QPSK	36	20	22.41	22.21	21.97	22.5	1	
15	QPSK	36	39	22.11	22.09	21.93			
15	QPSK	75	0	22.23	22.11	21.90			
15	16QAM	1	0	21.63	21.54	21.34	22.5	1	
15	16QAM	1	37	21.62	21.51	21.41			
15	16QAM	1	74	21.58	21.51	21.43			
15	16QAM	36	0	21.30	21.21	21.15			
15	16QAM	36	20	21.28	21.21	21.10	21.5	2	
15	16QAM	36	39	21.13	21.14	21.08			
15	16QAM	75	0	21.29	21.27	21.13			
15	64QAM	1	0	20.78	20.71	20.75	21.5	2	
15	64QAM	1	37	20.71	20.69	20.74			
15	64QAM	1	74	20.83	20.73	20.53			
15	64QAM	36	0	19.88	19.75	19.79			
15	64QAM	36	20	20.09	20.20	20.18	20.5	3	
15	64QAM	36	39	20.10	20.09	20.13			
15	64QAM	75	0	20.07	20.07	20.13			
Channel				18550	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	23.14	23.15	22.82	23.5	0	
10	QPSK	1	25	23.18	23.05	22.81			
10	QPSK	1	49	22.72	23.09	22.94			
10	QPSK	25	0	22.34	22.17	22.13			
10	QPSK	25	12	22.41	22.21	21.97	22.5	1	
10	QPSK	25	25	22.11	22.09	21.93			
10	QPSK	50	0	22.23	22.13	21.92			
10	16QAM	1	0	21.63	21.71	21.51	22.5	1	
10	16QAM	1	25	21.62	21.59	21.49			
10	16QAM	1	49	21.58	21.67	21.59			
10	16QAM	25	0	21.30	21.18	21.12			
10	16QAM	25	12	21.28	21.22	21.11	21.5	2	
10	16QAM	25	25	21.13	21.11	21.05			
10	16QAM	50	0	21.29	21.15	21.01			
10	64QAM	1	0	20.81	20.85	20.91	21.5	2	
10	64QAM	1	25	21.09	21.13	21.09			
10	64QAM	1	49	20.83	20.95	20.75			
10	64QAM	25	0	20.23	20.13	20.17			
10	64QAM	25	12	20.09	20.26	20.24	20.5	3	
10	64QAM	25	25	20.10	20.05	20.07			
10	64QAM	50	0	20.07	20.21	20.17			
Channel				18525	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	23.05	23.01	22.96	23.5	0	
5	QPSK	1	12	23.21	23.10	22.92			
5	QPSK	1	24	22.84	22.94	22.89			
5	QPSK	12	0	22.27	22.10	22.30			
5	QPSK	12	7	22.40	22.20	22.17	22.5	1	
5	QPSK	12	13	22.07	22.05	21.95			
5	QPSK	25	0	22.30	22.20	22.02			
5	16QAM	1	0	21.63	21.71	21.43	22.5	1	
5	16QAM	1	12	21.72	21.69	21.52			
5	16QAM	1	24	21.53	21.62	21.50			
5	16QAM	12	0	21.22	21.10	21.24			
5	16QAM	12	7	21.25	21.19	21.17	21.5	2	
5	16QAM	12	13	21.09	21.07	21.07			
5	16QAM	25	0	21.34	21.20	21.15			
5	64QAM	1	0	20.97	20.91	20.98	21.5	2	
5	64QAM	1	12	21.04	21.08	21.05			
5	64QAM	1	24	20.90	21.02	20.63			
5	64QAM	12	0	19.82	20.07	19.92			
5	64QAM	12	7	20.02	20.19	20.07	20.5	3	
5	64QAM	12	13	20.07	20.02	20.12			
5	64QAM	25	0	20.05	20.19	20.03			
5	64QAM	25	0	20.01	20.03	20.00			
Channel				18515	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	22.87	22.88	23.03	23.5	0	
3	QPSK	1	8	22.97	22.97	22.87			
3	QPSK	1	14	22.89	22.81	22.89			
3	QPSK	8	0	22.23	21.97	22.33			
3	QPSK	8	4	22.16	22.07	21.99	22.5	1	
3	QPSK	8	7	21.91	21.82	22.03			
3	QPSK	15	0	22.09	22.07	21.84			
3	16QAM	1	0	21.43	21.43	21.54	22.5	1	
3	16QAM	1	8	21.62	21.52	21.40			
3	16QAM	1	14	21.45	21.50	21.71			
3	16QAM	8	0	21.18	21.24	21.22			
3	16QAM	8	4	21.14	21.17	21.13	21.5	2	
3	16QAM	8	7	21.03	21.07	21.19			
3	16QAM	15	0	21.20	21.15	21.03			
3	64QAM	1	0	20.93	20.89	20.96	21.5	2	
3	64QAM	1	8	21.00	21.05	20.97			
3	64QAM	1	14	20.70	20.63	20.75			
3	64QAM	8	0	19.86	19.92	20.20			
3	64QAM	8	4	20.00	20.07	20.29	20.5	3	
3	64QAM	8	7	20.09	20.12	19.93			
3	64QAM	15	0	20.01	20.03	20.00			
Channel				18507	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	22.98	22.99	22.96	23.5	0	
1.4	QPSK	1	3	23.20	23.21	23.20			
1.4	QPSK	1	5	23.05	23.03	23.00			
1.4	QPSK	3	0	23.03	23.01	23.05			
1.4	QPSK	3	1	23.07	23.09	23.02	22.5	1	
1.4	QPSK	3	3	22.86	22.86	22.86			
1.4	QPSK	6	0	22.06	22.11	22.16			
1.4	16QAM	1	0	21.73	21.75	21.79	22.5	1	
1.4	16QAM	1	3	21.81	21.84	21.86			
1.4	16QAM	1	5	21.79	21.81	21.84			
1.4	16QAM	3	0	22.06	22.09	22.12	22.5	1	
1.4	16QAM	3	1	22.06	22.10	22.08			
1.4	16QAM	3	3	22.07	22.11	22.16			
1.4	16QAM	6	0	21.06	21.06	21.03	21.5	2	
1.4	64QAM	1	0	20.83	20.81	20.85			
1.4	64QAM	1	3	20.94	20.91	20.90			
1.4	64QAM	1	5	20.85	20.82	20.84			
1.4	64QAM	3	0	21.05	21.00	21.01	21.5	2	
1.4	64QAM	3	1	21.05	21.08	21.01			
1.4	64QAM	3	3	21.03	21.07	21.03			
1.4	64QAM	6	0	20.06	20.03	20.01	20.5	3	

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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.76	23.63	23.74	24	0	
20	QPSK	1	49	23.81	23.71	23.71			
20	QPSK	1	99	23.71	23.70	23.74			
20	QPSK	50	0	22.82	22.86	22.73			
20	QPSK	50	24	22.82	22.84	22.77	23	1	
20	QPSK	50	50	22.79	22.79	22.80			
20	QPSK	100	0	22.75	22.82	22.65			
20	16QAM	1	0	22.05	22.15	22.19			
20	16QAM	1	49	22.15	22.25	22.20	23	1	
20	16QAM	1	99	22.09	22.07	22.05			
20	16QAM	50	0	21.84	21.74	21.73			
20	16QAM	50	24	21.80	21.85	21.82			
20	16QAM	50	50	21.76	21.86	21.79	22	2	
20	16QAM	100	0	21.83	21.87	21.79			
20	64QAM	1	0	21.51	21.46	21.48			
20	64QAM	1	49	21.77	21.				



Reduced Power - DSI 3 for Head

GSMSSO	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	125	189	251		125	189	251	
TX Channel	824.2	836.4	848.8	29.50	19.75	19.63	19.61	20.50
Frequency (MHz)	28.75	28.63	28.61	29.50	19.83	19.85	19.64	20.50
GPRS 1 Tx slot	28.83	28.85	28.64	29.50	19.80	19.57	19.50	20.50
GPRS 2 Tx slots	24.11	23.90	23.87	24.76	19.95	19.54	19.41	20.50
GPRS 3 Tx slots	22.91	22.63	22.53	23.50	19.91	19.63	19.53	20.50
GPRS 4 Tx slots	25.72	25.74	25.52	27.00	16.72	16.74	16.52	18.00
EDGE 1 Tx slot	24.08	24.13	23.71	25.20	18.08	18.13	17.71	19.20
EDGE 2 Tx slots	22.38	22.35	21.96	23.80	18.12	18.09	17.70	19.54
EDGE 3 Tx slots	21.58	21.38	21.18	22.80	18.58	18.38	18.18	19.80
EDGE 4 Tx slots								

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4367	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.85	22.07	21.97	23.30
3GPP Rel 99 AMR 12.2Kbps	22.06	22.28	22.23	23.30
3GPP Rel 6 HSDPA Subtest-1	21.47	21.32	21.35	22.30
3GPP Rel 6 HSDPA Subtest-2	21.43	21.36	21.36	22.30
3GPP Rel 6 HSDPA Subtest-3	20.95	20.84	20.87	21.80
3GPP Rel 6 HSDPA Subtest-4	20.98	20.86	20.87	21.80
3GPP Rel 6 DCHSDPA Subtest-1	21.46	21.31	21.33	22.30
3GPP Rel 6 DCHSDPA Subtest-2	21.42	21.34	21.35	22.30
3GPP Rel 6 DCHSDPA Subtest-3	20.93	20.83	20.86	21.80
3GPP Rel 6 DCHSDPA Subtest-4	20.94	20.85	20.84	21.80
3GPP Rel 6 HSUPA Subtest-1	21.49	21.39	21.37	22.30
3GPP Rel 6 HSUPA Subtest-2	19.45	19.35	19.37	20.30
3GPP Rel 6 HSUPA Subtest-3	20.47	20.36	20.35	21.30
3GPP Rel 6 HSUPA Subtest-4	19.45	19.36	19.34	20.30
3GPP Rel 6 HSUPA Subtest-5	21.50	21.40	21.40	22.30



Band 5 (Cellular Band) Part 22H(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)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.42	22.74	22.47			
10	QPSK	1	25	22.38	22.39	22.41	23.8	0	
10	QPSK	1	49	22.42	22.29	22.39			
10	QPSK	25	0	22.47	22.45	22.41			
10	QPSK	25	12	22.47	22.41	22.39	23.8	0	
10	QPSK	25	25	22.43	22.33	22.45			
10	QPSK	50	0	22.51	22.53	22.35			
10	16QAM	1	0	22.69	22.70	22.67			
10	16QAM	1	25	22.67	22.64	22.62	23.8	0	
10	16QAM	1	49	22.56	22.57	22.51			
10	16QAM	25	0	22.00	21.99	21.78			
10	16QAM	25	12	22.01	21.97	21.93	23	0.8	
10	16QAM	25	25	21.92	21.84	21.92			
10	16QAM	50	0	22.02	21.90	21.92			
10	64QAM	1	0	21.71	21.68	21.79			
10	64QAM	1	25	21.92	21.96	21.87	23	0.8	
10	64QAM	1	49	21.88	21.75	21.82			
10	64QAM	25	0	21.13	20.90	21.16			
10	64QAM	25	12	21.00	21.00	21.12	22	1.8	
10	64QAM	25	25	20.99	20.96	20.91			
10	64QAM	50	0	20.98	21.12	20.88			
Channel				20625	20525	20625			
Frequency (MHz)				830.5	836.5	846.5			
5	QPSK	1	0	22.55	22.55	22.45	23.8	0	
5	QPSK	1	12	22.40	22.29	22.47			
5	QPSK	1	24	22.37	22.25	22.41			
5	QPSK	12	0	22.53	22.41	22.39			
5	QPSK	12	7	22.50	22.45	22.45	23.8	0	
5	QPSK	12	13	22.49	22.39	22.47			
5	QPSK	25	0	22.51	22.42	22.37			
5	16QAM	1	0	22.84	22.72	22.67	23.8	0	
5	16QAM	1	12	22.71	22.56	22.43			
5	16QAM	1	24	22.70	22.62	22.73			
5	16QAM	12	0	22.06	21.92	21.88			
5	16QAM	12	7	21.99	21.99	21.92	23	0.8	
5	16QAM	12	13	22.00	21.95	21.89			
5	16QAM	25	0	22.07	21.93	21.89			
5	64QAM	1	0	22.19	22.23	22.21			
5	64QAM	1	12	22.15	22.38	22.00	23	0.8	
5	64QAM	1	24	22.44	22.60	22.07			
5	64QAM	12	0	21.02	20.95	20.96			
5	64QAM	12	7	21.07	21.01	21.00	22	1.8	
5	64QAM	12	13	21.15	21.21	20.93			
5	64QAM	25	0	21.03	21.08	21.10			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.52	22.37	22.35	23.8	0	
3	QPSK	1	8	22.54	22.41	22.39			
3	QPSK	1	14	22.39	22.32	22.33			
3	QPSK	8	0	22.57	22.41	22.49			
3	QPSK	8	4	22.60	22.48	22.51	23.8	0	
3	QPSK	8	7	22.57	22.42	22.46			
3	QPSK	15	0	22.58	22.44	22.35			
3	16QAM	1	0	22.70	22.67	22.71	23.8	0	
3	16QAM	1	8	22.71	22.71	22.68			
3	16QAM	1	14	22.69	22.64	22.65			
3	16QAM	8	0	22.06	21.99	21.91			
3	16QAM	8	4	22.13	22.00	21.95	23	0.8	
3	16QAM	8	7	22.04	21.96	21.95			
3	16QAM	15	0	22.05	21.93	21.87			
3	64QAM	1	0	22.06	22.08	22.08			
3	64QAM	1	8	22.16	22.32	22.39	23	0.8	
3	64QAM	1	14	22.07	21.94	21.99			
3	64QAM	8	0	21.07	21.08	21.11			
3	64QAM	8	4	21.10	21.15	21.37	22	1.8	
3	64QAM	8	7	21.01	21.35	20.99			
3	64QAM	15	0	21.05	20.94	20.95			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.32	22.23	22.25	23.8	0	
1.4	QPSK	1	3	22.46	22.36	22.39			
1.4	QPSK	1	5	22.35	22.29	22.45			
1.4	QPSK	3	0	22.43	22.31	22.33			
1.4	QPSK	3	1	22.43	22.33	22.37			
1.4	QPSK	3	3	22.35	22.36	22.27	23.8	0	
1.4	QPSK	6	0	22.43	22.35	22.34			
1.4	16QAM	1	0	22.58	22.53	22.54			
1.4	16QAM	1	3	22.63	22.70	22.72			
1.4	16QAM	1	5	22.63	22.48	22.65	23.8	0	
1.4	16QAM	3	0	22.53	22.36	22.35			
1.4	16QAM	3	1	22.44	22.38	22.39			
1.4	16QAM	3	3	22.35	22.28	22.24			
1.4	16QAM	6	0	22.04	21.97	22.04	23	0.8	
1.4	64QAM	1	0	22.06	22.06	22.10			
1.4	64QAM	1	3	22.11	22.04	22.05			
1.4	64QAM	1	5	22.10	21.92	22.11			
1.4	64QAM	3	0	22.10	22.00	21.99	23	0.8	
1.4	64QAM	3	1	22.09	22.28	21.99			
1.4	64QAM	3	3	22.07	22.09	22.04			
1.4	64QAM	6	0	21.39	21.25	21.34	22	1.8	

Band 12 (700MHz Low Band) Part 27F(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)	MPR (dB)	
Channel				23050	23095	23150			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	21.44	21.75	21.57			
10	QPSK	1	25	21.33	21.44	21.33	22.6	0	
10	QPSK	1	49	21.33	21.35	21.26			
10	QPSK	25	0	21.40	21.50	21.48			
10	QPSK	25	12	21.49	21.38	21.48	22.6	0	
10	QPSK	25	25	21.42	21.45	21.38			
10	QPSK	50	0	21.49	21.53	21.51			
10	16QAM	1	0	21.33	21.33	21.34			
10	16QAM	1	25	21.32	21.37	21.34	22.6	0	
10	16QAM	1	49	21.54	21.38	21.39			
10	16QAM	25	0	21.43	21.36	21.33			
10	16QAM	25	12	21.56	21.41	21.51	22.6	0	
10	16QAM	25	25	21.50	21.53	21.44			
10	16QAM	50	0	21.46	21.36	21.45			
10	64QAM	1	0	21.37	21.43	21.60			
10	64QAM	1	25	21.34	21.64	21.41	22.6	0	
10	64QAM	1	49	21.52	21.28	21.38			
10	64QAM	25	0	21.15	21.37	20.99			
10	64QAM	25	12	21.16	20.91	21.05	22	0.6	
10	64QAM	25	25	20.95	20.96	21.07			
10	64QAM	50	0	21.22	21.01	20.99			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	21.49	21.44	21.34	22.6	0	
5	QPSK	1	12	21.31	21.35	21.35			
5	QPSK	1	24	21.33	21.36	21.44			
5	QPSK	12	0	21.56	21.55	21.47			
5	QPSK	12	7	21.51	21.43	21.52	22.6	0	
5	QPSK	12	13	21.45	21.41	21.38			
5	QPSK	25	0	21.52	21.46	21.34			
5	16QAM	1	0	21.66	21.71	21.83	22.6	0	
5	16QAM	1	12	21.64	21.72	21.61			
5	16QAM	1	24	21.56	21.68	21.61			
5	16QAM	12	0	21.52	21.55	21.52			
5	16QAM	12	7	21.49	21.56	21.47	22.6	0	
5	16QAM	12	13	21.46	21.48	21.46			
5	16QAM	25	0	21.57	21.48	21.43			
5	64QAM	1	0	21.42	21.45	21.52	22.6	0	
5	64QAM	1	12	21.42	21.39	21.48			
5	64QAM	1	24	21.47	21.55	21.49			
5	64QAM	12	0	21.03	21.02	21.00			
5	64QAM	12	7	21.13	21.15	21.03	22	0.6	
5	64QAM	12	13	20.92	21.15	21.15			
5	64QAM	25	0	20.					



Band 13(700MHz Band)

Part 27F

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				782				
Frequency (MHz)				782				
10	QPSK	1	0		21.34		22	0
10	QPSK	1	25		21.30			
10	QPSK	1	49		21.34			
10	QPSK	25	0		21.17		22	0
10	QPSK	25	12		21.15			
10	QPSK	25	25		21.08			
10	QPSK	50	0		21.18		22	0
10	16QAM	1	0		21.25			
10	16QAM	1	25		21.27			
10	16QAM	1	49		21.17		22	0
10	16QAM	25	0		21.12			
10	16QAM	25	12		21.22			
10	16QAM	25	25		21.10		22	0
10	16QAM	50	0		21.23			
10	64QAM	1	0		21.20			
10	64QAM	1	25		21.12		22	0
10	64QAM	1	49		21.27			
10	64QAM	25	0		21.19			
10	64QAM	25	12		21.25		22	0
10	64QAM	25	25		21.19			
10	64QAM	50	0		21.17			
Channel				23205	23230	23265		
Frequency (MHz)				770.5	782	784.5		
5	QPSK	1	0	21.04	21.01	21.03	22	0
5	QPSK	1	12	21.10	21.00	21.00		
5	QPSK	1	24	21.00	21.03	20.94		
5	QPSK	12	0	21.20	21.18	21.13	22	0
5	QPSK	12	7	21.14	21.16	21.08		
5	QPSK	12	13	21.19	21.14	21.08		
5	QPSK	25	0	21.15	21.14	21.09	22	0
5	16QAM	1	0	21.30	21.28	21.29		
5	16QAM	1	12	21.18	21.19	21.33		
5	16QAM	1	24	21.20	21.28	21.26	22	0
5	16QAM	12	0	21.20	21.12	21.12		
5	16QAM	12	7	21.29	21.18	21.14		
5	16QAM	12	13	21.17	21.13	21.18	22	0
5	16QAM	25	0	21.20	21.16	21.11		
5	64QAM	1	0	21.25	21.27	21.22		
5	64QAM	1	12	21.28	21.26	21.27	22	0
5	64QAM	1	24	21.25	21.28	21.24		
5	64QAM	12	0	21.26	21.19	21.19		
5	64QAM	12	7	21.24	21.24	21.18	22	0
5	64QAM	12	13	21.24	21.15	21.13		
5	64QAM	25	0	21.26	21.28	21.10		



Reduced Power - DSI 3 for Head_Ant 3

Band 2 (1900MHz Band)										
Part 24E										
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				18700	18900	19100				
Frequency (MHz)				18700	18900	19100				
20	QPSK	1	0	18.77	18.92	18.92	20	0		
20	QPSK	1	49	18.14	18.19	18.12				
20	QPSK	1	99	18.05	18.84	18.96				
20	QPSK	50	0	18.95	18.12	18.93				
20	QPSK	50	24	19.05	19.10	18.96				
20	QPSK	50	50	18.91	18.93	18.97				
20	QPSK	100	0	18.98	18.03	18.89				
20	16QAM	1	0	18.62	18.66	18.68				
20	16QAM	1	49	18.59	18.62	18.65				
20	16QAM	1	99	18.56	18.60	18.73				
20	16QAM	50	0	18.95	19.07	18.85				
20	16QAM	50	24	19.00	19.04	18.80				
20	16QAM	50	50	19.05	19.01	19.03				
20	16QAM	100	0	19.02	18.04	19.00				
20	64QAM	1	0	18.99	19.03	19.02				
20	64QAM	1	49	18.90	19.12	19.04				
20	64QAM	1	99	18.79	18.68	18.63				
20	64QAM	50	0	19.17	19.15	19.21				
20	64QAM	50	24	19.23	19.10	19.16				
20	64QAM	50	50	19.22	19.10	19.22				
20	64QAM	100	0	19.18	19.13	19.10				
Channel				18875	18900	19125	Tune-up	MPR		
Frequency (MHz)				18875	18900	19125	limit	(dB)		
15	QPSK	1	0	19.06	19.10	18.85	20	0		
15	QPSK	1	37	19.08	19.22	19.22				
15	QPSK	1	74	19.21	19.04	19.03				
15	QPSK	36	0	18.89	19.20	18.98				
15	QPSK	36	20	18.89	19.14	19.23				
15	QPSK	36	39	18.91	19.20	19.08				
15	QPSK	75	0	18.87	18.99	19.23				
15	16QAM	1	0	18.84	18.59	18.68				
15	16QAM	1	37	18.58	18.58	18.71				
15	16QAM	1	74	18.57	18.49	18.25				
15	16QAM	36	0	18.96	19.12	19.14				
15	16QAM	36	20	19.13	19.13	19.15				
15	16QAM	36	39	19.04	19.01	18.99				
15	16QAM	75	0	18.99	19.04	19.19				
15	64QAM	1	0	19.10	19.03	19.18				
15	64QAM	1	37	19.08	19.21	19.20				
15	64QAM	1	74	18.86	18.96	18.97				
15	64QAM	36	0	19.13	19.07	19.24				
15	64QAM	36	20	19.24	19.22	19.21				
15	64QAM	36	39	19.13	19.02	19.12				
15	64QAM	75	0	18.96	19.13	19.18				
Channel				18850	18900	19150	Tune-up	MPR		
Frequency (MHz)				18850	18900	19150	limit	(dB)		
10	QPSK	1	0	19.19	19.11	18.86	20	0		
10	QPSK	1	25	19.03	19.23	19.09				
10	QPSK	1	49	19.09	19.11	19.10				
10	QPSK	25	0	18.74	19.21	18.89				
10	QPSK	25	12	19.02	19.07	19.16				
10	QPSK	25	25	19.02	19.21	19.04				
10	QPSK	50	0	18.83	18.94	19.18				
10	16QAM	1	0	18.55	18.60	18.69				
10	16QAM	1	25	18.68	18.61	18.74				
10	16QAM	1	49	18.74	18.53	18.29				
10	16QAM	25	0	18.77	19.01	19.03				
10	16QAM	25	12	19.01	19.05	19.07				
10	16QAM	25	25	18.76	18.98	18.96				
10	16QAM	50	0	18.83	18.94	19.09				
10	64QAM	1	0	19.10	19.21	19.21				
10	64QAM	1	25	19.15	19.14	19.11				
10	64QAM	1	49	18.99	18.95	19.23				
10	64QAM	25	0	19.07	19.12	19.20				
10	64QAM	25	12	19.05	19.14	19.20				
10	64QAM	25	25	19.11	18.98	19.08				
10	64QAM	50	0	18.92	19.17	19.20				
Channel				18825	18900	19175	Tune-up	MPR		
Frequency (MHz)				18825	18900	19175	limit	(dB)		
5	QPSK	1	0	19.08	19.13	19.21	20	0		
5	QPSK	1	12	19.00	19.97	19.19				
5	QPSK	1	24	18.94	19.08	19.16				
5	QPSK	12	0	19.01	18.86	18.96				
5	QPSK	12	7	19.21	19.11	19.03				
5	QPSK	12	13	19.07	18.78	18.86				
5	QPSK	25	0	19.17	19.17	19.00				
5	16QAM	1	0	18.93	18.55	18.93				
5	16QAM	1	12	18.83	18.53	18.49				
5	16QAM	1	24	18.45	18.56	18.56				
5	16QAM	12	0	19.03	19.05	18.87				
5	16QAM	12	7	19.18	19.18	19.19				
5	16QAM	12	13	19.04	19.07	18.78				
5	16QAM	25	0	19.11	19.21	19.16				
5	64QAM	1	0	18.94	18.99	18.94				
5	64QAM	1	12	18.93	18.73	18.79				
5	64QAM	1	24	18.85	18.88	19.05				
5	64QAM	12	0	19.12	19.14	19.01				
5	64QAM	12	7	19.07	19.14	19.03				
5	64QAM	12	13	19.02	19.12	19.02				
5	64QAM	25	0	19.12	19.13	19.08				
Channel				18815	18900	19185	Tune-up	MPR		
Frequency (MHz)				18815	18900	19185	limit	(dB)		
3	QPSK	1	0	19.05	19.15	19.11	20	0		
3	QPSK	1	8	19.10	19.23	19.12				
3	QPSK	1	14	19.18	19.13	19.23				
3	QPSK	8	0	18.88	18.94	18.77				
3	QPSK	8	4	19.01	19.14	18.94				
3	QPSK	8	7	18.95	18.90	18.88				
3	QPSK	15	0	18.95	19.15	19.05				
3	16QAM	1	0	18.25	18.56	18.64				
3	16QAM	1	8	18.41	18.64	18.61				
3	16QAM	1	14	18.43	18.35	18.44				
3	16QAM	8	0	18.97	19.09	18.97				
3	16QAM	8	4	19.20	19.18	19.12				
3	16QAM	8	7	19.03	18.99	18.87				
3	16QAM	15	0	18.99	19.23	19.09				
3	64QAM	1	0	18.96	18.98	19.07				
3	64QAM	1	8	19.03	19.08	19.12				
3	64QAM	1	14	18.71	18.90	19.02				
3	64QAM	8	0	19.18	19.11	19.21				
3	64QAM	8	4	19.17	19.16	19.04				
3	64QAM	8	7	19.09	19.06	19.00				
3	64QAM	15	0	19.05	19.20	19.07				
Channel				18807	18900	19193	Tune-up	MPR		
Frequency (MHz)				18807	18900	19193	limit	(dB)		
1.4	QPSK	1	0	19.03	19.08	19.12	20	0		
1.4	QPSK	1	3	18.71	18.80	19.02				
1.4	QPSK	1	5	19.18	19.11	19.21				
1.4	QPSK	3	0	18.95	18.99	18.97				
1.4	QPSK	3	1	18.95	18.93	18.96				
1.4	QPSK	3	3	18.91	18.93	18.97				
1.4	QPSK	6	0	18.98	19.03	19.09				
1.4	16QAM	1	0	18.62	18.66	18.68				
1.4	16QAM	1	3	18.95	18.93	18.75				
1.4	16QAM	1	5	18.91	18.93	18.73				
1.4	16QAM	3	0	18.98	19.03	18.95				
1.4	16QAM	3	1	19.11	19.21	19.16				
1.4	16QAM	3	3	18.94	18.99	18.84				
1.4	16QAM	6	0	18.93	18.73	18.79				
1.4	64QAM	1	0	18.85	18.98	19.05				
1.4	64QAM	1	3	19.13	19.12	19.14				
1.4	64QAM	1	5	18.99	18.98	18.93				
1.4	64QAM	3	0	19.17	19.15	19.21				
1.4	64QAM	3	1	19.23	19.10	19.16				
1.4	64QAM	3	3	19.22	19.10	19.22				
1.4	64QAM	6	0	19.18	19.13	19.10				

Band 66										
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				132072	132322	132572				
Frequency (MHz)				132072	132322	132572				
20	QPSK	1	0	18.66	18.62	18.66	20	0		
20	QPSK	1	49	18.05	18.57	18.61				
20	QPSK	1	99	18.61	18.56	18.60				
20	QPSK	50	0	18.73	18.74	18.72				
20	QPSK	50	24	18.70	18.73	18.58				
20	QPSK	50	50	18.67	18.67	18.69				
20	QPSK	100	0	18.69	18.77	18.60				
20	16QAM	1	0	18.99	18.75	18.79				
20	16QAM	1	49	18.71	18.52	18.63				
20	16QAM	1	99							



Reduced Power - DSI 2 for Hotspot

Band	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.7Kbps	19.81	19.85	19.84	20.90	20.93	20.97	20.76	21.60
3GPP Rel 99	AMR 12.2Kbps	19.82	19.86	19.84	20.90	20.94	20.98	20.77	21.60
3GPP Rel 6	HSDPA Subtest-1	19.08	19.01	19.02	19.90	20.06	20.08	19.99	20.60
3GPP Rel 6	HSDPA Subtest-2	19.13	18.98	19.03	19.90	20.06	20.08	20.01	20.60
3GPP Rel 6	HSDPA Subtest-3	18.63	18.48	18.58	19.40	19.57	19.60	19.52	20.10
3GPP Rel 6	HSDPA Subtest-4	18.60	18.51	18.53	19.40	19.50	19.55	19.49	20.10
3GPP Rel 8	DC-HSDPA Subtest-1	19.07	19.02	19.03	19.90	20.07	20.09	20.00	20.60
3GPP Rel 8	DC-HSDPA Subtest-2	19.11	18.99	19.01	19.90	20.05	20.07	20.02	20.60
3GPP Rel 8	DC-HSDPA Subtest-3	18.62	18.50	18.57	19.40	19.56	19.61	19.53	20.10
3GPP Rel 8	DC-HSDPA Subtest-4	18.58	18.53	18.55	19.40	19.51	19.54	19.50	20.10
3GPP Rel 6	HSPA Subtest-1	19.06	18.99	19.06	19.90	20.04	20.10	19.96	20.60
3GPP Rel 6	HSPA Subtest-2	17.06	16.97	17.04	17.90	18.01	18.07	17.98	18.60
3GPP Rel 6	HSPA Subtest-3	18.09	17.98	18.07	18.90	19.05	19.10	18.97	19.60
3GPP Rel 6	HSPA Subtest-4	17.07	16.95	17.10	17.90	18.02	18.08	17.98	18.60
3GPP Rel 6	HSPA Subtest-5	19.10	19.00	19.10	19.90	20.00	20.10	20.00	20.60



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	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1890	1910			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	20.35	20.39	20.36			
20	QPSK	1	49	20.35	20.35	20.35	21	0	
20	QPSK	1	99	20.35	20.38	20.33			
20	QPSK	50	0	20.25	20.26	20.22			
20	QPSK	50	24	20.19	20.21	20.19	21	0	
20	QPSK	50	50	20.22	20.21	20.18			
20	QPSK	100	0	20.24	20.29	20.16			
20	16QAM	1	0	20.30	20.38	20.22			
20	16QAM	1	49	20.35	20.38	20.37	21	0	
20	16QAM	1	99	20.28	20.23	20.30			
20	16QAM	50	0	20.11	19.95	20.06			
20	16QAM	50	24	20.19	20.17	20.08	21	0	
20	16QAM	50	50	20.15	20.17	20.18			
20	16QAM	100	0	20.16	20.11	20.09			
20	16QAM	1	0	20.19	20.23	20.22			
20	16QAM	1	49	20.08	19.98	20.01	21	0	
20	16QAM	1	99	20.19	20.28	20.25			
20	16QAM	50	0	20.04	20.03	20.01			
20	16QAM	50	24	20.17	20.10	20.05	21	0	
20	16QAM	50	50	20.23	20.21	20.24			
20	16QAM	100	0	20.08	20.14	20.01			
Channel				1867.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	20.28	20.28	20.27	21	0	
15	QPSK	1	37	20.28	20.19	20.25			
15	QPSK	1	74	20.31	20.24	20.30			
15	QPSK	36	0	20.36	20.23	20.31			
15	QPSK	36	20	20.16	20.12	20.12	21	0	
15	QPSK	36	39	20.10	20.11	20.17			
15	QPSK	75	0	20.09	20.05	20.03			
15	16QAM	1	0	20.28	20.30	20.34			
15	16QAM	1	37	20.25	20.28	20.31	21	0	
15	16QAM	1	74	20.35	20.33	20.36			
15	16QAM	36	0	20.02	19.94	20.04			
15	16QAM	36	20	20.21	20.11	20.07	21	0	
15	16QAM	36	39	20.17	20.15	20.12			
15	16QAM	75	0	20.15	20.13	20.08			
15	16QAM	1	0	20.24	20.26	20.20			
15	16QAM	1	37	20.10	20.05	19.99	21	0	
15	16QAM	1	74	20.31	20.21	20.09			
15	16QAM	36	0	20.02	20.06	19.99			
15	16QAM	36	20	20.14	19.93	20.13	21	0	
15	16QAM	36	39	20.20	20.18	19.99			
15	16QAM	75	0	20.14	19.93	20.07			
Channel				1865	1880	1905	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	20.33	20.35	20.26	21	0	
10	QPSK	1	25	20.29	20.14	20.35			
10	QPSK	1	49	20.35	20.21	20.21			
10	QPSK	25	0	20.35	20.33	20.34			
10	QPSK	25	12	20.38	20.22	20.34	21	0	
10	QPSK	25	25	20.15	20.11	20.14			
10	QPSK	50	0	20.10	20.11	20.05			
10	16QAM	1	0	20.32	20.36	20.36			
10	16QAM	1	25	20.34	20.31	20.33	21	0	
10	16QAM	1	49	20.38	20.35	20.37			
10	16QAM	25	0	20.14	20.13	20.03			
10	16QAM	25	12	20.14	20.18	20.03	21	0	
10	16QAM	25	25	20.14	20.11	20.14			
10	16QAM	50	0	20.15	20.07	20.02			
10	16QAM	1	0	20.37	20.16	20.26			
10	16QAM	1	25	20.38	19.96	20.08	21	0	
10	16QAM	1	49	20.20	20.34	20.12			
10	16QAM	25	0	20.11	20.16	20.12			
10	16QAM	25	12	19.99	20.00	20.02			
10	16QAM	25	25	20.12	20.11	20.13	21	0	
10	16QAM	50	0	20.13	20.11	20.10			
Channel				1862.5	1880	1917.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	20.31	20.33	20.30	21	0	
5	QPSK	1	12	20.34	20.32	20.20			
5	QPSK	1	24	20.31	20.24	20.34			
5	QPSK	12	0	20.12	20.05	20.10			
5	QPSK	12	7	20.13	20.12	20.15	21	0	
5	QPSK	12	13	20.15	20.04	20.10			
5	QPSK	25	0	20.11	20.06	20.13			
5	16QAM	1	0	20.35	20.28	20.34	21	0	
5	16QAM	1	12	20.37	20.29	20.27			
5	16QAM	1	24	20.32	20.37	20.35			
5	16QAM	12	0	20.07	20.05	20.15			
5	16QAM	12	7	20.13	20.09	20.14	21	0	
5	16QAM	12	13	20.11	20.10	20.11			
5	16QAM	25	0	20.16	20.05	20.10			
5	16QAM	1	0	20.23	20.14	20.11	21	0	
5	16QAM	1	12	20.01	20.15	20.13			
5	16QAM	1	24	20.19	20.19	20.15			
5	16QAM	12	0	20.10	20.12	20.11			
5	16QAM	12	7	20.21	20.20	20.23	21	0	
5	16QAM	12	13	20.23	20.19	19.95			
5	16QAM	25	0	20.02	20.03	20.01			
Channel				1861.5	1890	1918.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	20.24	20.26	20.23	21	0	
3	QPSK	1	8	20.35	20.31	20.37			
3	QPSK	1	14	20.34	20.28	20.28			
3	QPSK	8	0	20.07	20.06	20.07			
3	QPSK	8	4	20.17	20.11	20.12	21	0	
3	QPSK	8	7	20.11	20.10	20.08			
3	QPSK	15	0	20.11	20.06	20.10			
3	16QAM	1	0	20.29	20.34	20.26			
3	16QAM	1	8	20.36	20.32	20.31	21	0	
3	16QAM	1	14	20.34	20.29	20.32			
3	16QAM	8	0	20.11	20.11	20.15			
3	16QAM	8	4	20.22	20.13	20.13	21	0	
3	16QAM	8	7	20.18	20.13	20.16			
3	16QAM	15	0	20.14	20.06	20.06			
3	16QAM	1	0	20.17	20.17	20.27			
3	16QAM	1	8	20.34	20.32	20.28	21	0	
3	16QAM	1	14	20.03	19.95	20.19			
3	16QAM	8	0	20.18	20.10	20.02			
3	16QAM	8	4	20.19	20.14	20.13	21	0	
3	16QAM	8	7	20.15	20.12	20.13			
3	16QAM	15	0	20.13	19.97	20.03			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18507	1880	19093			
1.4	QPSK	1	0	20.21	20.15	20.22	21	0	
1.4	QPSK	1	3	20.27	20.29	20.35			
1.4	QPSK	1	5	20.22	20.20	20.19			
1.4	QPSK	3	0	20.20	20.17	20.21			
1.4	QPSK	3	1	20.24	20.27	20.24			
1.4	QPSK	3	3	20.29	20.22	20.20	21	0	
1.4	QPSK	8	0	20.03	20.01	20.00			
1.4	16QAM	1	0	20.30	20.29	20.25			
1.4	16QAM	1	3	20.27	20.23	20.24			
1.4	16QAM	1	5	20.17	20.16	20.19	21	0	
1.4	16QAM	3	0	19.99	19.92	19.94			
1.4	16QAM	3	1	20.03	20.00	20.06			
1.4	16QAM	3	3	20.05	19.94	19.96			
1.4	16QAM	6	0	20.10	20.10	20.12	21	0	
1.4	16QAM	1	0	20.12	20.10	20.08			
1.4	16QAM	1	3	19.95	20.20	20.12			
1.4	16QAM	1	5	20.13	20.04	19.93			
1.4	16QAM	3	0	19.96	20.06	20.06	21	0	
1.4	16QAM	3	1	20.17	20.18	20.16			
1.4	16QAM	3	3	20.15	20.07	19.94			
1.4	16QAM	6	0	20.04	20.00	19.93	21	0	

Band 4 (AWS Band) Part 27L (only on channel reserved)									
BW (MHz)	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	2070	2090			
Frequency (MHz)				2040	2060	2080			
20	QPSK	1	0	20.13	20.33	20.20			
20	QPSK	1	49	20.26	20.23	20.16	21.4	0	
20	QPSK	1	99	20.05	20.09	20.08			
20	QPSK	50	0	20.01	19.98	20.06			
20	QPSK	50	24	20.03	20.07	19.98	21.4	0	
20	QPSK	50	50	20.05	20.09	20.06			
20	QPSK	100	0	20.11	20.09	20.21			
20	16QAM	1	0	20.01	20.11	20.19			
20	16QAM	1	49	19.99	19.97	20.08	21.4	0	
20	16QAM	1	99	20.02	20.16	19.99			
20	16QAM	50	0	19.81	19.90	19.89			
20	16QAM	50	24	19.83	19.83	19.91	21.4	0	
20	16QAM	50	50	19.84	19.88	19.82			
20	16QAM	100	0	19.88	19.85	19.90			
20	16QAM	1	0	19.96	19.98	20.12			
20	16QAM	1	49	19.75	19.87	19.83	21.4	0	
20	16QAM	1	99	20.01	19.78	19.85			
20									



Band 7 (2600MHz Band) Part 27									
BW (MHz)	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)				2510	2535	2560			
20	QPSK	1	0	20.35	20.55	20.51			
20	QPSK	1	49	20.54	20.49	20.41	21.2	0	
20	QPSK	1	99	20.48	20.31	20.29			
20	QPSK	50	0	20.43	20.50	20.36			
20	QPSK	50	24	20.40	20.41	20.40	21.2	0	
20	QPSK	50	59	20.41	20.37	20.45			
20	QPSK	100	0	20.43	20.48	20.39			
20	16QAM	1	0	20.20	20.23	20.08			
20	16QAM	1	49	20.05	20.07	19.95	21.2	0	
20	16QAM	1	99	20.06	19.92	19.92			
20	16QAM	50	0	20.28	20.30	20.11			
20	16QAM	50	24	20.31	20.18	20.06	21.2	0	
20	16QAM	50	50	20.27	20.12	20.01			
20	16QAM	100	0	20.30	20.25	20.03			
20	64QAM	1	0	20.15	20.37	20.29			
20	64QAM	1	49	20.36	20.34	20.23	21.2	0	
20	64QAM	1	99	20.48	20.08	20.17			
20	64QAM	50	0	20.27	20.29	20.15			
20	64QAM	50	24	20.38	20.26	20.11	21.2	0	
20	64QAM	50	50	20.32	20.12	20.09			
20	64QAM	100	0	20.28	20.11	20.00			
Channel				20625	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.49	20.54	20.41	21.2	0	
15	QPSK	1	37	20.44	20.55	20.34			
15	QPSK	1	74	20.40	20.39	20.40			
15	QPSK	36	0	20.31	20.41	20.24			
15	QPSK	36	20	20.42	20.31	20.26	21.2	0	
15	QPSK	36	39	20.33	20.16	20.23			
15	QPSK	75	0	20.39	20.33	20.21			
15	16QAM	1	0	20.10	20.26	20.04			
15	16QAM	1	37	20.18	20.07	19.99	21.2	0	
15	16QAM	1	74	20.14	19.99	19.97			
15	16QAM	36	0	20.18	20.24	20.04			
15	16QAM	36	20	20.29	20.14	20.03	21.2	0	
15	16QAM	36	39	20.27	20.11	20.01			
15	16QAM	75	0	20.24	20.11	19.98			
15	64QAM	1	0	20.25	20.38	20.15			
15	64QAM	1	37	20.39	20.36	20.09	21.2	0	
15	64QAM	1	74	20.38	20.23	20.13			
15	64QAM	36	0	20.21	20.30	20.04			
15	64QAM	36	20	20.28	20.21	20.05	21.2	0	
15	64QAM	36	39	20.24	20.14	20.03			
15	64QAM	75	0	20.26	20.12	20.00			
Channel				20600	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.52	20.38	20.40	21.2	0	
10	QPSK	1	25	20.54	20.53	20.38			
10	QPSK	1	49	20.52	20.54	20.36			
10	QPSK	0	0	20.29	20.26	20.19			
10	QPSK	25	12	20.38	20.35	20.26	21.2	0	
10	QPSK	25	25	20.30	20.38	20.16			
10	QPSK	50	0	20.27	20.34	20.14			
10	16QAM	1	0	19.90	20.16	20.01			
10	16QAM	1	25	20.03	20.02	19.95	21.2	0	
10	16QAM	1	49	19.97	19.98	19.91			
10	16QAM	25	0	20.15	20.16	20.00			
10	16QAM	25	12	20.26	20.20	19.98	21.2	0	
10	16QAM	25	25	20.20	20.12	19.97			
10	16QAM	50	0	20.19	20.17	19.90			
10	64QAM	1	0	20.28	20.44	20.17			
10	64QAM	1	25	20.27	20.29	20.15	21.2	0	
10	64QAM	1	49	20.26	20.23	20.13			
10	64QAM	25	0	20.18	20.24	19.99			
10	64QAM	25	12	20.22	20.28	20.00	21.2	0	
10	64QAM	25	25	20.27	20.13	19.99			
10	64QAM	50	0	20.25	20.11	19.96			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.51	20.38	20.36	21.2	0	
5	QPSK	1	12	20.54	20.39	20.41			
5	QPSK	1	24	20.35	20.36	20.41			
5	QPSK	12	0	20.38	20.39	20.20			
5	QPSK	12	7	20.36	20.33	20.19	21.2	0	
5	QPSK	12	13	20.35	20.41	20.21			
5	QPSK	25	0	20.39	20.36	20.20			
5	16QAM	1	0	20.02	20.09	20.03	21.2	0	
5	16QAM	1	12	19.99	20.16	19.99			
5	16QAM	1	24	20.16	20.19	19.98			
5	16QAM	12	0	20.18	20.20	19.97			
5	16QAM	12	7	20.23	20.25	19.96	21.2	0	
5	16QAM	12	13	20.22	20.26	19.95			
5	16QAM	25	0	20.19	20.18	19.95			
5	64QAM	1	0	20.29	20.38	20.13	21.2	0	
5	64QAM	1	12	20.33	20.28	20.14			
5	64QAM	1	24	20.31	20.43	20.15			
5	64QAM	12	0	20.26	20.25	20.01			
5	64QAM	12	7	20.24	20.27	19.98	21.2	0	
5	64QAM	12	13	20.23	20.24	19.97			
5	64QAM	25	0	20.20	20.25	19.96			

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				133072	133272	133272			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.30	20.35	20.22			
20	QPSK	1	49	20.10	20.11	20.13	21.4	0	
20	QPSK	1	99	20.00	20.01	20.05			
20	QPSK	50	0	19.95	20.13	20.07			
20	QPSK	50	24	20.08	20.08	20.05	21.4	0	
20	QPSK	50	50	20.01	20.01	20.10			
20	QPSK	100	0	20.06	20.09	20.05			
20	16QAM	1	0	20.15	20.14	20.15			
20	16QAM	1	49	19.99	20.18	20.19	21.4	0	
20	16QAM	1	99	20.16	20.12	20.01			
20	16QAM	50	0	19.84	19.84	19.87			
20	16QAM	50	24	19.93	19.93	19.85	21.4	0	
20	16QAM	50	50	19.94	19.95	19.91			
20	16QAM	100	0	19.84	19.82	19.76			
20	64QAM	1	0	19.83	19.88	19.85			
20	64QAM	1	49	19.80	20.12	19.98	21.4	0	
20	64QAM	1	99	20.02	20.00	20.02			
20	64QAM	50	0	19.76	19.79	19.78			
20	64QAM	50	24	19.81	19.82	19.90	21.4	0	
20	64QAM	50	50	19.87	19.95	19.91			
20	64QAM	100	0	19.96	19.92	19.81			
Channel				132047	132322	132697			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	19.99	20.40	20.07	21.4	0	
15	QPSK	1	37	20.08	20.12	20.04			
15	QPSK	1	74	20.02	20.04	20.00			
15	QPSK	36	0	20.19	20.22	20.09			
15	QPSK	36	20	20.21	20.23	20.23	21.4	0	
15	QPSK	36	39	20.18	20.26	20.19			
15	QPSK	75	0	20.20	20.18	20.19			
15	16QAM	1	0	20.19	20.15	20.26			
15	16QAM	1	37	20.16	20.18	20.23	21.4	0	
15	16QAM	1	74	20.25	20.25	20.22			
15	16QAM	36	0	20.19	20.22	20.08			
15	16QAM	36	20	20.26	20.19	20.20	21.4	0	
15	16QAM	36	39	20.23	20.22	20.14			
15	16QAM	75	0	20.19	20.18	20.20			
15	64QAM	1	0	20.24	20.19	20.12			
15	64QAM	1	37	20.23	20.29	20.33	21.4	0	
15	64QAM	1	74	20.01	20.06	20.04			
15	64QAM	36	0	20.21	20.06	20.06			
15	64QAM	36	20	20.21	20.20	20.23	21.4	0	
15	64QAM	36	39	20.12	20.16	20.14			



Band 48 (3.5G Band)										
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				55340	55830	55990	56150	56640		
Frequency (MHz)				3560	3609	3625	3641	3690		
20	QPSK	1	0	22.42	22.62	22.52	22.50	22.43	23.6	0
20	QPSK	1	49	22.45	22.56	22.49	22.54	22.35		
20	QPSK	1	99	22.81	22.57	22.51	22.56	22.36	23.3	0.3
20	QPSK	50	0	22.23	22.31	22.25	22.24	22.19		
20	QPSK	50	24	22.28	22.21	22.25	21.95	22.14	23.3	0.3
20	QPSK	50	50	22.25	22.27	22.25	22.18	22.04		
20	QPSK	100	0	22.10	22.28	22.11	22.18	21.99	23.3	0.3
20	16QAM	1	0	22.08	21.96	22.00	21.93	22.00		
20	16QAM	1	49	22.05	22.04	21.82	22.13	21.53	22.3	1.3
20	16QAM	1	99	22.11	22.06	21.79	22.17	22.15		
20	16QAM	50	0	21.16	21.25	21.25	21.15	21.11	22.3	1.3
20	16QAM	50	24	21.28	21.21	21.21	21.12	21.08		
20	16QAM	50	50	21.29	21.25	21.22	21.15	21.18	22.3	1.3
20	16QAM	100	0	21.18	21.13	20.97	21.18	21.06		
20	64QAM	1	0	21.18	21.40	21.08	21.35	21.32	22.3	1.3
20	64QAM	1	49	21.22	21.36	20.98	21.13	21.20		
20	64QAM	1	99	21.25	21.21	20.95	21.12	21.08	21.3	2.3
20	64QAM	50	0	20.59	20.49	20.65	20.40	20.51		
20	64QAM	50	24	20.65	20.37	20.66	20.28	20.49	21.3	2.3
20	64QAM	50	50	20.56	20.37	20.60	20.43	20.44		
20	64QAM	100	0	20.57	20.38	20.28	20.35	20.21		
Channel				55315	55820	55990	56162	56665		
Frequency (MHz)				3574.5	3603	3625	3642	3692.5		
15	QPSK	1	0	22.34	22.62	22.34	22.68	22.40	23.6	0
15	QPSK	1	37	22.50	22.65	22.52	22.61	22.36		
15	QPSK	1	74	22.66	22.71	22.67	22.61	22.42	23.3	0.3
15	QPSK	36	0	22.55	22.69	22.55	22.31	22.52		
15	QPSK	36	20	22.57	22.63	22.57	22.35	22.46	23.3	0.3
15	QPSK	36	39	22.67	22.56	22.48	22.40	22.48		
15	QPSK	75	0	22.60	22.59	22.45	22.24	22.45	23.3	0.3
15	16QAM	1	0	22.43	22.57	22.36	22.46	22.44		
15	16QAM	1	37	22.50	22.56	22.54	22.24	22.27	22.3	1.3
15	16QAM	1	74	22.61	22.57	22.60	22.36	22.21		
15	16QAM	36	0	21.66	21.86	21.85	21.50	21.60	22.3	1.3
15	16QAM	36	20	21.66	21.85	21.81	21.44	21.58		
15	16QAM	36	39	21.72	21.81	21.85	21.46	21.55	22.3	1.3
15	16QAM	75	0	21.73	21.82	21.73	21.42	21.68		
15	64QAM	1	0	21.61	21.67	21.62	21.26	21.64	22.3	1.3
15	64QAM	1	37	21.68	21.49	21.60	21.50	21.56		
15	64QAM	1	74	21.72	21.50	21.68	21.45	21.35	21.3	2.3
15	64QAM	36	0	21.02	20.96	21.11	20.67	20.90		
15	64QAM	36	20	21.03	20.93	21.09	20.72	20.78	21.3	2.3
15	64QAM	36	39	21.12	20.93	21.04	20.68	20.76		
15	64QAM	75	0	21.06	21.07	20.81	20.64	20.82		
Channel				55970	55913	55990	55953	55990		
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	22.32	22.56	22.66	22.67	22.28	23.6	0
10	QPSK	1	25	22.41	22.62	22.67	22.56	22.30		
10	QPSK	1	49	22.55	22.65	22.42	22.69	22.34	23.3	0.3
10	QPSK	25	0	22.50	22.68	22.52	22.33	22.47		
10	QPSK	25	12	22.49	22.70	22.46	22.35	22.49	23.3	0.3
10	QPSK	25	25	22.62	22.61	22.48	22.36	22.44		
10	QPSK	50	0	22.50	22.57	22.45	22.17	22.36	23.3	0.3
10	16QAM	1	0	22.46	22.64	22.55	22.30	22.50		
10	16QAM	1	25	22.54	22.69	22.27	22.34	22.41	22.3	1.3
10	16QAM	1	49	22.68	22.67	22.21	22.40	22.39		
10	16QAM	25	0	21.59	21.83	21.60	21.51	21.55	22.3	1.3
10	16QAM	25	12	21.57	21.82	21.58	21.56	21.60		
10	16QAM	25	25	21.61	21.79	21.55	21.52	21.61	22.3	1.3
10	16QAM	50	0	21.64	21.75	21.68	21.39	21.61		
10	64QAM	1	0	21.28	21.56	21.12	21.29	21.53	22.3	1.3
10	64QAM	1	25	21.52	21.53	21.29	21.15	21.29		
10	64QAM	1	49	21.52	21.49	21.52	21.15	21.19	21.3	2.3
10	64QAM	25	0	20.57	20.81	20.57	20.43	20.53		
10	64QAM	25	12	20.58	20.82	20.52	20.35	20.54	21.3	2.3
10	64QAM	25	25	20.62	20.76	20.40	20.46	20.53		
10	64QAM	50	0	20.60	20.76	20.33	20.33	20.51		
Channel				55265	55810	55990	56170	56715		
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	22.37	22.61	22.64	22.68	22.51	23.6	0
5	QPSK	1	12	22.33	22.68	22.51	22.63	22.39		
5	QPSK	1	24	22.51	22.70	22.62	22.56	22.52	23.3	0.3
5	QPSK	12	0	22.46	22.66	22.54	22.39	22.54		
5	QPSK	12	7	22.48	22.71	22.67	22.49	22.57	23.3	0.3
5	QPSK	12	13	22.53	22.67	22.57	22.41	22.57		
5	QPSK	25	0	22.52	22.64	22.47	22.23	22.47	23.3	0.3
5	16QAM	1	0	22.51	22.67	22.46	22.26	22.46		
5	16QAM	1	12	22.56	22.71	22.59	22.33	22.49	22.3	1.3
5	16QAM	1	24	22.68	22.52	22.58	22.50	22.58		
5	16QAM	12	0	21.56	21.80	21.58	21.43	21.58	22.3	1.3
5	16QAM	12	7	21.59	21.83	21.63	21.54	21.63		
5	16QAM	12	13	21.59	21.81	21.65	21.52	21.65	22.3	1.3
5	16QAM	25	0	21.62	21.83	21.64	21.46	21.64		
5	64QAM	1	0	21.21	21.59	21.35	21.21	21.35	22.3	1.3
5	64QAM	1	12	21.25	21.51	21.28	21.21	21.28		
5	64QAM	1	24	21.36	21.57	21.36	21.30	21.36	21.3	2.3
5	64QAM	12	0	20.52	20.88	20.56	20.46	20.63		
5	64QAM	12	7	20.58	20.85	20.46	20.49	20.63	21.3	2.3
5	64QAM	12	13	20.63	20.80	20.68	20.52	20.65		
5	64QAM	25	0	20.60	20.76	20.80	20.42	20.60		



Reduced Power - DSI 2 for Hotspot_Ant 3

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	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	20.21	20.04	20.22			
20	QPSK	1	49	20.03	20.03	20.13	21	0	
20	QPSK	1	99	20.08	19.95	20.06			
20	QPSK	50	0	20.03	20.17	19.89			
20	QPSK	50	24	20.12	20.15	19.87			
20	QPSK	50	50	19.98	19.99	19.79	21	0	
20	QPSK	100	0	20.08	20.11	19.89			
20	16QAM	1	0	19.85	19.66	19.56			
20	16QAM	1	49	19.53	19.50	19.58	21	0	
20	16QAM	1	99	19.55	19.52	19.83			
20	16QAM	50	0	20.02	20.10	19.80			
20	16QAM	50	24	20.01	20.13	19.83	21	0	
20	16QAM	50	50	20.02	20.03	19.93			
20	16QAM	100	0	20.03	20.14	20.04			
20	64QAM	1	0	19.92	19.94	19.82			
20	64QAM	1	49	19.85	19.87	19.72	21	0	
20	64QAM	1	99	19.70	19.66	19.56			
20	64QAM	50	0	20.23	20.22	20.07			
20	64QAM	50	24	20.22	20.10	20.07	20.5	0.5	
20	64QAM	50	50	20.12	20.16	20.16			
20	64QAM	100	0	20.15	20.13	19.93			
Channel				18875	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18875	18900	19125			
15	QPSK	1	0	20.10	20.14	20.15	21	0	
15	QPSK	1	37	19.96	20.06	20.23			
15	QPSK	1	74	20.22	20.05	20.13			
15	QPSK	36	0	19.97	20.14	19.94			
15	QPSK	36	20	19.96	20.16	20.14	21	0	
15	QPSK	36	39	19.98	20.00	19.90			
15	QPSK	75	0	19.97	20.07	20.15			
15	16QAM	1	0	19.87	19.84	19.88			
15	16QAM	1	37	19.52	19.55	19.64	21	0	
15	16QAM	1	74	19.56	19.47	19.35			
15	16QAM	36	0	20.03	20.15	20.09			
15	16QAM	36	20	20.14	20.20	20.18	21	0	
15	16QAM	36	39	20.01	20.03	19.89			
15	16QAM	75	0	20.00	20.14	20.23			
15	64QAM	1	0	20.03	19.94	19.98			
15	64QAM	1	37	20.00	19.96	20.08	21	0	
15	64QAM	1	74	19.77	19.65	19.90			
15	64QAM	36	0	20.19	20.14	20.11			
15	64QAM	36	20	20.23	20.22	20.16	20.5	0.5	
15	64QAM	36	39	20.03	20.08	20.06			
15	64QAM	75	0	19.93	20.13	19.99			
Channel				18950	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18950	18900	19150			
10	QPSK	1	0	20.23	20.15	20.16	21	0	
10	QPSK	1	25	19.92	20.13	20.10			
10	QPSK	1	49	20.10	20.12	20.20			
10	QPSK	25	0	19.82	20.05	19.85			
10	QPSK	25	12	20.09	20.09	20.07	21	0	
10	QPSK	25	25	19.76	19.96	19.86			
10	QPSK	50	0	19.83	20.02	20.10			
10	16QAM	1	0	19.58	19.60	19.57			
10	16QAM	1	25	19.60	19.58	19.67	21	0	
10	16QAM	1	49	19.73	19.51	19.39			
10	16QAM	25	0	19.84	20.04	19.98			
10	16QAM	25	12	20.02	20.12	20.10	21	0	
10	16QAM	25	25	19.73	20.00	19.86			
10	16QAM	50	0	19.84	20.04	20.13			
10	64QAM	1	0	19.97	20.09	20.11			
10	64QAM	1	25	20.07	20.09	20.21	21	0	
10	64QAM	1	49	19.90	19.93	20.18			
10	64QAM	25	0	20.13	20.19	20.13			
10	64QAM	25	12	20.04	20.14	20.18	20.5	0.5	
10	64QAM	25	25	20.01	20.04	20.02			
10	64QAM	50	0	19.89	20.17	20.03			
Channel				18975	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18975	18900	19175			
5	QPSK	1	0	20.04	20.09	20.11	21	0	
5	QPSK	1	12	20.11	20.13	20.18			
5	QPSK	1	24	19.93	20.07	20.06			
5	QPSK	12	0	19.93	20.02	19.76			
5	QPSK	12	7	20.14	20.09	20.12	21	0	
5	QPSK	12	13	20.00	20.03	19.83			
5	QPSK	25	0	20.07	20.09	20.08			
5	16QAM	1	0	19.13	19.55	19.15			
5	16QAM	1	12	19.45	19.56	19.56	21	0	
5	16QAM	1	24	19.46	19.58	19.46			
5	16QAM	12	0	19.96	20.02	19.92			
5	16QAM	12	7	20.17	20.11	20.16	21	0	
5	16QAM	12	13	20.07	20.05	19.88			
5	16QAM	25	0	20.10	20.11	20.12			
5	64QAM	1	0	20.01	20.06	20.04			
5	64QAM	1	12	20.01	19.98	20.21	21	0	
5	64QAM	1	24	19.94	20.00	20.12			
5	64QAM	12	0	20.06	20.07	20.15			
5	64QAM	12	7	20.08	20.14	20.12	20.5	0.5	
5	64QAM	12	13	20.12	20.06	20.08			
5	64QAM	25	0	20.15	20.13	20.15			
Channel				18975	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18975	18900	19193			
3	QPSK	1	0	20.05	20.15	20.11	21	0	
3	QPSK	1	8	20.10	20.23	20.12			
3	QPSK	1	14	20.18	20.13	20.23			
3	QPSK	8	0	19.88	19.94	19.77			
3	QPSK	8	4	20.01	20.14	19.94	21	0	
3	QPSK	8	7	19.95	19.90	19.88			
3	QPSK	15	0	19.95	20.15	20.05			
3	16QAM	1	0	19.25	19.56	19.64			
3	16QAM	1	8	19.41	19.64	19.61	21	0	
3	16QAM	1	14	19.43	19.35	19.44			
3	16QAM	8	0	19.97	20.09	19.97			
3	16QAM	8	4	20.20	20.18	20.12	21	0	
3	16QAM	8	7	20.03	19.89	19.87			
3	16QAM	15	0	19.99	20.23	20.09			
3	64QAM	1	0	19.96	19.98	20.07			
3	64QAM	1	8	20.03	20.08	20.12	21	0	
3	64QAM	1	14	19.71	19.90	20.02			
3	64QAM	8	0	20.18	20.11	20.21			
3	64QAM	8	4	20.17	20.16	20.04	20.5	0.5	
3	64QAM	8	7	20.09	20.06	20.00			
3	64QAM	15	0	19.95	19.20	19.97			
Channel				18975	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18975	18900	19193			
1.4	QPSK	1	0	19.87	19.90	19.92	21	0	
1.4	QPSK	1	3	20.14	20.19	20.12			
1.4	QPSK	1	5	19.91	19.94	19.95			
1.4	QPSK	3	0	19.95	19.92	19.93			
1.4	QPSK	3	1	19.95	19.93	19.96			
1.4	QPSK	3	3	19.91	19.83	19.97			
1.4	QPSK	6	0	19.98	20.03	20.09	-3	24	
1.4	16QAM	1	0	19.62	19.66	19.68			
1.4	16QAM	1	3	19.69	19.72	19.75			
1.4	16QAM	1	5	19.75	19.70	19.73	-3	24	
1.4	16QAM	3	0	19.75	19.97	19.95			
1.4	16QAM	3	1	19.71	19.74	19.70			
1.4	16QAM	3	3	20.05	20.01	20.03			
1.4	16QAM	6	0	20.02	20.04	20.00	-2	23	
1.4	64QAM	1	0	19.99	20.03	20.02			
1.4	64QAM	1	3	20.13	20.12	20.14			
1.4	64QAM	3	0	20.17	20.15	20.21	-2	23	
1.4	64QAM	3	1	20.23	20.10	20.16			
1.4	64QAM	3	3	20.22	20.10	20.22			
1.4	64QAM	6	0	20.16	20.13	20.10	-1	22	

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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.91	21.86	21.71			
20	QPSK	1	49	21.76	21.71	21.71	22.5	0	
20	QPSK	1	99	21.73	21.66	21.72			
20	QPSK	50	0	21.73	21.84	21.71			
20	QPSK	50	24	21.83	21.79	21.74	22.5	0	
20	QPSK	50	50	21.78	21.82	21.82			
20	QPSK	100	0	21.82	21.83	21.72			
20	16QAM	1	0	21.20	21.31	21.27			
20	16QAM	1	49	21.15	21.25	21.14	22.5	0	
20	16QAM	1	99	21.03	21.07	21.44			
20	16QAM	50	0	21.22	21.42	21.25			
20	16QAM	50	24	21.39	21.50	21.30	22	0.5	
20	16QAM	50	50	21.40	21.44	21.42			
20	16QAM	100	0	21.37	21.43	21.33			
20	64QAM	1	0	20.93	21.00	21.08			
20	64QAM	1	49	21.10	21.15	21.12	22	0.5	
20	64QAM	1	99	21.09	21.12	21.21			
20									



Reduced Power - DSI 1 for BodyWorn / Handheld

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9562	9800	9938	1537	1638	1738		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.7Kbps	21.52	21.60	21.44	22.50	21.52	21.62	21.54	22.40
3GPP Rel 99	RMCS 12.2Kbps	21.53	21.62	21.47	22.50	21.60	21.64	21.56	22.40
3GPP Rel 6	HSDPA Subtest-1	20.61	20.64	20.59	21.50	20.73	20.79	20.62	21.40
3GPP Rel 6	HSDPA Subtest-2	20.60	20.63	20.61	21.50	20.73	20.80	20.58	21.40
3GPP Rel 6	HSDPA Subtest-3	20.12	20.18	20.12	21.00	20.18	20.31	20.13	20.90
3GPP Rel 6	HSDPA Subtest-4	20.08	20.13	20.04	21.00	20.25	20.33	20.12	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.51	20.57	20.56	21.50	20.70	20.76	20.61	21.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.56	20.50	20.50	21.50	20.68	20.78	20.55	21.40
3GPP Rel 8	DC-HSDPA Subtest-3	20.06	19.85	20.03	21.00	20.25	20.32	20.12	20.90
3GPP Rel 8	DC-HSDPA Subtest-4	20.04	19.93	19.99	21.00	20.21	20.29	20.13	20.90
3GPP Rel 6	HSPA Subtest-1	20.30	20.26	20.36	21.50	20.68	20.80	20.60	21.40
3GPP Rel 6	HSPA Subtest-2	18.27	18.23	18.19	19.50	18.74	18.81	18.61	19.40
3GPP Rel 6	HSPA Subtest-3	19.35	19.25	19.27	20.50	19.72	19.82	19.60	20.40
3GPP Rel 6	HSPA Subtest-4	18.28	18.30	18.19	19.50	18.71	18.81	18.63	19.40
3GPP Rel 6	HSPA Subtest-5	20.32	20.17	20.14	21.50	20.77	20.81	20.61	21.40



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	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	21.34	21.41	21.33				
20	QPSK	1	49	21.31	21.24	21.22	22.5	0		
20	QPSK	1	99	21.28	21.32	21.31				
20	QPSK	50	0	21.30	21.38	21.30				
20	QPSK	50	24	21.30	21.30	21.22	22.5	0		
20	QPSK	50	50	21.22	21.69	21.05				
20	QPSK	100	0	21.04	21.10	21.05				
20	16QAM	1	0	21.34	21.27	21.03				
20	16QAM	1	49	21.22	21.18	21.13	22.5	0		
20	16QAM	1	99	21.27	21.25	21.18				
20	16QAM	50	0	21.23	21.18	21.11				
20	16QAM	50	24	21.25	21.14	21.09	22.5	0		
20	16QAM	50	50	21.23	21.24	21.24				
20	16QAM	100	0	21.25	21.16	21.24				
20	84QAM	1	0	21.24	21.14	21.16				
20	84QAM	1	49	21.20	21.21	21.12	22.5	0		
20	84QAM	1	99	21.12	21.04	21.16				
20	84QAM	50	0	21.18	21.12	20.96				
20	84QAM	50	24	21.20	21.21	21.07	22	0.5		
20	84QAM	50	50	21.26	21.22	21.23				
20	84QAM	100	0	21.13	21.20	21.07				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18575	18800	19025				
15	QPSK	1	0	21.12	20.90	20.82	22.5	0		
15	QPSK	1	37	21.14	20.99	20.86				
15	QPSK	1	74	20.99	20.95	20.93				
15	QPSK	36	0	21.22	21.02	21.02				
15	QPSK	36	20	21.28	21.21	21.12	22.5	0		
15	QPSK	36	39	21.33	21.17	21.16				
15	QPSK	75	0	21.28	21.19	20.96				
15	16QAM	1	0	21.17	21.12	21.29				
15	16QAM	1	37	21.39	21.23	21.34	22.5	0		
15	16QAM	1	74	21.04	21.08	21.39				
15	16QAM	36	0	21.24	21.08	21.04				
15	16QAM	36	20	21.31	21.19	21.12	22.5	0		
15	16QAM	36	39	21.25	21.09	21.20				
15	16QAM	75	0	21.30	21.19	21.05				
15	84QAM	1	0	21.24	21.30	21.35				
15	84QAM	1	37	21.02	21.26	21.07	22.5	0		
15	84QAM	1	74	21.35	21.25	21.14				
15	84QAM	36	0	20.78	20.69	20.65				
15	84QAM	36	20	20.85	20.67	20.65	22	0.5		
15	84QAM	36	39	20.87	20.69	20.76				
15	84QAM	75	0	20.82	20.65	20.62				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	20.94	20.92	20.94	22.5	0		
10	QPSK	1	25	21.01	21.00	21.03				
10	QPSK	1	49	21.02	20.97	21.15				
10	QPSK	25	0	21.22	21.06	21.03				
10	QPSK	25	12	21.30	21.16	21.09	22.5	0		
10	QPSK	25	25	21.27	21.20	21.07				
10	QPSK	50	0	21.24	21.08	21.04				
10	16QAM	1	0	21.35	21.22	21.27				
10	16QAM	1	25	21.06	21.05	21.24	22.5	0		
10	16QAM	1	49	21.05	21.24	21.40				
10	16QAM	25	0	21.10	21.05	21.03				
10	16QAM	25	12	21.32	21.19	21.03	22.5	0		
10	16QAM	25	25	21.21	21.10	21.06				
10	16QAM	50	0	21.27	21.14	21.05				
10	84QAM	1	0	21.27	21.34	21.10				
10	84QAM	1	25	21.22	21.21	21.13	22.5	0		
10	84QAM	1	49	21.25	21.28	21.27				
10	84QAM	25	0	20.82	20.68	20.57				
10	84QAM	25	12	20.87	20.74	20.64	22	0.5		
10	84QAM	25	25	20.82	20.70	20.66				
10	84QAM	50	0	20.83	20.65	20.59				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	21.10	20.92	20.94	22.5	0		
5	QPSK	1	12	21.09	20.93	21.07				
5	QPSK	1	24	21.09	21.07	20.90				
5	QPSK	12	0	21.26	21.09	21.02				
5	QPSK	12	7	21.25	21.08	21.04	22.5	0		
5	QPSK	12	13	21.24	21.04	21.00				
5	QPSK	25	0	21.24	21.05	21.04				
5	16QAM	1	0	21.34	21.37	21.20	22.5	0		
5	16QAM	1	12	21.23	21.19	21.09				
5	16QAM	1	24	21.06	21.20	21.30				
5	16QAM	12	0	21.21	21.08	20.99				
5	16QAM	12	7	21.27	21.07	21.04	22.5	0		
5	16QAM	12	13	21.17	21.01	21.06				
5	16QAM	25	0	21.18	21.05	21.04				
5	84QAM	1	0	21.36	21.18	21.21	22.5	0		
5	84QAM	1	12	21.37	21.11	21.14				
5	84QAM	1	24	21.38	21.23	21.25				
5	84QAM	12	0	20.81	20.62	20.65				
5	84QAM	12	7	20.79	20.66	20.64	22	0.5		
5	84QAM	12	13	20.77	20.67	20.59				
5	84QAM	25	0	20.75	20.59	20.52				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	21.23	20.93	20.93	22.5	0		
3	QPSK	1	8	21.34	21.04	21.07				
3	QPSK	1	14	21.29	21.03	21.02				
3	QPSK	8	0	21.21	21.11	21.11	22.5	0		
3	QPSK	8	4	21.21	21.13	21.13				
3	QPSK	8	7	21.22	21.10	21.04				
3	QPSK	15	0	21.23	21.10	21.11				
3	16QAM	1	0	21.14	21.26	21.34				
3	16QAM	1	8	21.04	21.38	21.15	22.5	0		
3	16QAM	1	14	21.15	21.40	21.33				
3	16QAM	8	0	21.24	21.14	21.16				
3	16QAM	8	4	21.30	21.19	21.15	22.5	0		
3	16QAM	8	7	21.27	21.16	21.08				
3	16QAM	15	0	21.25	21.13	21.13				
3	84QAM	1	0	21.39	21.17	21.22				
3	84QAM	1	8	21.40	21.27	21.28	22.5	0		
3	84QAM	1	14	21.22	21.31	21.32				
3	84QAM	8	0	20.86	20.62	20.63				
3	84QAM	8	4	20.81	20.66	20.65	22	0.5		
3	84QAM	8	7	20.79	20.67	20.64				
3	84QAM	15	0	20.79	20.71	20.62				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	21.12	20.83	21.13	22.5	0		
1.4	QPSK	1	3	20.99	20.97	20.88				
1.4	QPSK	1	5	20.81	20.93	20.86				
1.4	QPSK	3	0	20.83	20.92	20.69				
1.4	QPSK	3	1	20.88	20.96	20.92				
1.4	QPSK	3	3	20.91	20.94	20.80	22.5	0		
1.4	QPSK	6	0	20.95	20.96	20.87				
1.4	16QAM	1	0	21.19	21.20	21.21				
1.4	16QAM	1	3	21.32	21.26	21.26				
1.4	16QAM	1	5	21.06	21.24	21.07	22.5	0		
1.4	16QAM	3	0	21.06	20.90	20.86				
1.4	16QAM	3	1	20.99	21.04	21.02				
1.4	16QAM	3	3	21.02	21.03	20.90				
1.4	16QAM	6	0	21.02	21.15	21.04	22.5	0		
1.4	84QAM	1	0	21.12	21.11	21.05				
1.4	84QAM	1	3	21.13	21.19	21.18				
1.4	84QAM	1	5	20.98	21.18	21.07	22.5	0		
1.4	84QAM	3	0	21.07	21.16	20.99				
1.4	84QAM	3	1	21.11	21.18	21.07				
1.4	84QAM	3	3	21.00	21.07	21.00	22	0.5		
1.4	84QAM	6	0	20.99	20.97	20.45				

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)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	21.49	21.56	21.53				
20	QPSK	1	49	21.35	21.40	21.54	22.4	0		
20	QPSK	1	99	21.34	21.27	21.31				
20	QPSK	50	0	21.50	21.53	21.30				
20	QPSK	50	24	21.20	21.50	21.45	22.4	0		
20	QPSK	50	50	21.52	21.50	21.51				
20	QPSK	100	0	21.40	21.46	21.41				
20	16QAM	1	0	21.24	21.27	21.40				
20	16QAM	1	49	21.51	2					



Band 7 (2600MHz Band) Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20550	21000	21500			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.49	22.55	22.46			
20	QPSK	1	49	22.45	22.49	22.45	23.2	0	
20	QPSK	1	99	22.44	22.47	22.39			
20	QPSK	50	0	22.06	22.25	22.22			
20	QPSK	50	24	21.92	22.02	22.01	23.2	0	
20	QPSK	50	59	21.83	21.97	22.16			
20	QPSK	100	0	21.90	21.97	21.95			
20	16QAM	1	0	22.21	22.29	22.25			
20	16QAM	1	49	22.18	22.26	22.34	23.2	0	
20	16QAM	1	99	22.16	22.31	22.31			
20	16QAM	50	0	21.96	21.97	22.21			
20	16QAM	50	24	21.94	22.01	22.28	23	0.2	
20	16QAM	50	50	21.94	21.94	22.26			
20	16QAM	100	0	22.00	22.09	22.16			
20	16QAM	1	0	22.29	22.30	22.32			
20	64QAM	1	49	21.88	21.93	22.34	23	0.2	
20	64QAM	1	99	21.98	22.09	22.16			
20	64QAM	50	0	20.99	21.02	21.24			
20	64QAM	50	24	21.04	21.10	21.26	22	1.2	
20	64QAM	50	50	21.13	21.08	21.22			
20	64QAM	100	0	20.88	20.96	21.24			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.39	22.42	22.41	23.2	0	
15	QPSK	1	37	22.43	22.43	22.49			
15	QPSK	1	74	22.32	22.36	22.42			
15	QPSK	36	0	22.43	22.47	22.51			
15	QPSK	36	20	22.47	22.47	22.42	23.2	0	
15	QPSK	36	39	22.41	22.48	22.32			
15	QPSK	75	0	22.47	22.53	22.33			
15	16QAM	1	0	22.42	22.38	22.43	23.2	0	
15	16QAM	1	37	22.47	22.52	22.44			
15	16QAM	1	74	22.15	22.45	22.50			
15	16QAM	36	0	22.19	22.24	22.47			
15	16QAM	36	20	22.26	22.24	22.46	23	0.2	
15	16QAM	36	39	22.17	22.24	22.40			
15	16QAM	75	0	22.20	22.24	22.47			
15	64QAM	1	0	22.34	22.27	22.53			
15	64QAM	1	37	22.25	22.28	22.41	23	0.2	
15	64QAM	1	74	22.27	22.28	22.45			
15	64QAM	36	0	21.33	21.16	21.49			
15	64QAM	36	20	21.30	21.24	21.51	22	1.2	
15	64QAM	36	39	21.25	21.27	21.47			
15	64QAM	75	0	21.19	21.24	21.49			
Channel				20900	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.32	22.31	22.37	23.2	0	
10	QPSK	1	25	22.26	22.40	22.34			
10	QPSK	1	49	22.24	22.44	22.35			
10	QPSK	25	0	21.84	22.03	22.23	23.2	0	
10	QPSK	25	12	22.02	21.98	22.21			
10	QPSK	25	25	21.93	22.11	22.21			
10	QPSK	50	0	21.98	21.93	22.20			
10	16QAM	1	0	22.18	22.32	22.11	23.2	0	
10	16QAM	1	25	22.30	22.02	22.29			
10	16QAM	1	49	21.92	22.03	22.22			
10	16QAM	25	0	21.99	22.02	22.20			
10	16QAM	25	12	21.89	22.05	22.20	23	0.2	
10	16QAM	25	25	22.04	21.99	22.26			
10	16QAM	50	0	21.87	22.25	22.30			
10	64QAM	1	0	21.99	22.23	22.31	23	0.2	
10	64QAM	1	25	22.00	22.23	22.26			
10	64QAM	1	49	22.00	22.11	22.17			
10	64QAM	25	0	21.06	21.03	21.29			
10	64QAM	25	12	21.08	21.10	21.31	22	1.2	
10	64QAM	25	25	21.02	21.06	21.19			
10	64QAM	50	0	21.52	21.56	21.69			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.34	22.38	22.50	23.2	0	
5	QPSK	1	12	22.44	22.44	22.37			
5	QPSK	1	24	22.35	22.44	22.41			
5	QPSK	12	0	21.96	22.05	22.16			
5	QPSK	12	7	21.98	21.97	22.23	23.2	0	
5	QPSK	12	13	21.96	22.04	22.22			
5	QPSK	25	0	21.95	22.04	22.18			
5	16QAM	1	0	22.18	22.15	22.21	23.2	0	
5	16QAM	1	12	22.18	22.33	22.25			
5	16QAM	1	24	22.17	22.32	22.34			
5	16QAM	12	0	22.00	22.07	22.27			
5	16QAM	12	7	22.03	22.06	22.29	23	0.2	
5	16QAM	12	13	22.01	22.08	22.24			
5	16QAM	25	0	21.98	22.03	22.24			
5	64QAM	1	0	22.07	22.09	22.35	23	0.2	
5	64QAM	1	12	22.06	22.15	22.25			
5	64QAM	1	24	22.12	22.11	22.30			
5	64QAM	12	0	21.00	21.06	21.30			
5	64QAM	12	7	21.03	21.03	21.22	22	1.2	
5	64QAM	12	13	21.03	21.14	21.25			
5	64QAM	25	0	20.98	21.06	21.25			

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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.49	21.64	21.54			
20	QPSK	1	49	21.49	21.53	21.49	22.4	0	
20	QPSK	1	99	21.51	21.48	21.48			
20	QPSK	50	0	21.52	21.61	21.54			
20	QPSK	50	24	21.52	21.56	21.50	22.4	0	
20	QPSK	50	50	21.51	21.30	21.60			
20	QPSK	100	0	21.35	21.59	21.57			
20	16QAM	1	0	21.35	21.47	21.47			
20	16QAM	1	49	21.55	21.45	21.53	22.4	0	
20	16QAM	1	99	21.34	21.55	21.52			
20	16QAM	50	0	21.35	21.26	21.32			
20	16QAM	50	24	21.41	21.35	21.30	22.4	0	
20	16QAM	50	50	21.41	21.34	21.28			
20	16QAM	100	0	21.38	21.32	21.28			
20	64QAM	1	0	21.49	21.42	21.28			
20	64QAM	1	49	21.54	21.42	21.40	22.4	0	
20	64QAM	1	99	21.47	21.44	21.48			
20	64QAM	50	0	20.98	20.96	20.91			
20	64QAM	50	24	21.05	21.04	20.98	22	0.4	
20	64QAM	50	50	21.04	20.99	20.91			
20	64QAM	100	0	20.97	20.87	20.89			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.47	21.58	21.56	22.4	0	
15	QPSK	1	37	21.47	21.52	21.51			
15	QPSK	1	74	21.49	21.47	21.50			
15	QPSK	36	0	21.61	21.60	21.56			
15	QPSK	36	20	21.46	21.55	21.51	22.4	0	
15	QPSK	36	39	21.30	21.56	21.62			
15	QPSK	75	0	21.61	21.43	21.59			
15	16QAM	1	0	21.51	21.63	21.46	22.4	0	
15	16QAM	1	37	21.51	21.59	21.30			
15	16QAM	1	74	21.52	21.50	21.50			
15	16QAM	36	0	21.58	21.59	21.56			
15	16QAM	36	20	21.49	21.61	21.43	22.4	0	
15	16QAM	36	39	21.56	21.23	21.43			
15	16QAM	75	0	21.49	21.63	21.61			
15	64QAM	1	0	21.40	21.49	21.59			
15	64QAM	1	37	21.59	21.56	21.51	22.4	0	
15	64QAM	1	74	21.47	21.55	21.39			
15	64QAM	36	0	20.71	20.69	20.60			
15	64QAM	36	20	20.75	20.64	20.65	22	0.4	
15	64QAM	36	39	20.65	20.71	20.			



Band 48 (3.5G Band)										
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				55340	55830	55990	56150	56640		
Frequency (MHz)				3560	3609	3625	3641	3690		
20	QPSK	1	0	22.42	22.62	22.52	22.50	22.43	23.6	0
20	QPSK	1	49	22.45	22.56	22.49	22.54	22.35		
20	QPSK	1	99	22.81	22.57	22.51	22.56	22.36	23.3	0.3
20	QPSK	50	0	22.23	22.31	22.25	22.24	22.19		
20	QPSK	50	24	22.28	22.21	22.25	21.95	22.14	23.3	0.3
20	QPSK	50	50	22.25	22.27	22.25	22.18	22.04		
20	QPSK	100	0	22.10	22.28	22.11	22.18	21.99	23.3	0.3
20	16QAM	1	0	22.08	21.96	22.00	21.93	22.00		
20	16QAM	1	49	22.05	22.04	21.82	22.13	21.53	22.3	1.3
20	16QAM	1	99	22.11	22.06	21.79	22.17	22.15		
20	16QAM	50	0	21.16	21.25	21.25	21.15	21.11	22.3	1.3
20	16QAM	50	24	21.28	21.21	21.21	21.12	21.08		
20	16QAM	50	50	21.29	21.25	21.22	21.15	21.18	22.3	1.3
20	16QAM	100	0	21.18	21.13	20.97	21.18	21.06		
20	64QAM	1	0	21.18	21.40	21.08	21.35	21.32	22.3	1.3
20	64QAM	1	49	21.22	21.36	20.98	21.13	21.20		
20	64QAM	1	99	21.25	21.21	20.95	21.12	21.08	21.3	2.3
20	64QAM	50	0	20.59	20.49	20.65	20.40	20.51		
20	64QAM	50	24	20.65	20.37	20.66	20.28	20.49	21.3	2.3
20	64QAM	50	50	20.56	20.37	20.60	20.43	20.44		
20	64QAM	100	0	20.57	20.38	20.28	20.35	20.21		
Channel				55315	55820	55990	56162	56665		
Frequency (MHz)				3574.5	3603	3625	3642	3692.5		
15	QPSK	1	0	22.34	22.62	22.34	22.68	22.40	23.6	0
15	QPSK	1	37	22.50	22.65	22.52	22.61	22.36		
15	QPSK	1	74	22.66	22.71	22.67	22.61	22.42	23.3	0.3
15	QPSK	36	0	22.55	22.69	22.55	22.31	22.52		
15	QPSK	36	20	22.57	22.63	22.57	22.35	22.46	23.3	0.3
15	QPSK	36	39	22.67	22.56	22.48	22.40	22.48		
15	QPSK	75	0	22.60	22.59	22.45	22.24	22.45	23.3	0.3
15	16QAM	1	0	22.43	22.57	22.36	22.46	22.44		
15	16QAM	1	37	22.50	22.56	22.54	22.24	22.27	22.3	1.3
15	16QAM	1	74	22.61	22.57	22.60	22.36	22.21		
15	16QAM	36	0	21.66	21.86	21.85	21.50	21.60	22.3	1.3
15	16QAM	36	20	21.66	21.85	21.81	21.44	21.58		
15	16QAM	36	39	21.72	21.81	21.85	21.46	21.55	22.3	1.3
15	16QAM	75	0	21.73	21.82	21.73	21.42	21.68		
15	64QAM	1	0	21.61	21.67	21.62	21.26	21.64	22.3	1.3
15	64QAM	1	37	21.68	21.49	21.60	21.50	21.56		
15	64QAM	1	74	21.72	21.50	21.68	21.45	21.35	21.3	2.3
15	64QAM	36	0	21.02	20.96	21.11	20.67	20.90		
15	64QAM	36	20	21.03	20.93	21.09	20.72	20.78	21.3	2.3
15	64QAM	36	39	21.12	20.93	21.04	20.68	20.76		
15	64QAM	75	0	21.06	21.07	20.81	20.64	20.82		
Channel				55290	55513	55990	56165	56690		
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	22.32	22.56	22.66	22.67	22.28	23.6	0
10	QPSK	1	25	22.41	22.62	22.67	22.56	22.30		
10	QPSK	1	49	22.55	22.65	22.42	22.69	22.34	23.3	0.3
10	QPSK	25	0	22.50	22.68	22.52	22.33	22.47		
10	QPSK	25	12	22.49	22.70	22.46	22.35	22.49	23.3	0.3
10	QPSK	25	25	22.62	22.61	22.48	22.36	22.44		
10	QPSK	50	0	22.50	22.57	22.45	22.17	22.36	23.3	0.3
10	16QAM	1	0	22.46	22.64	22.55	22.30	22.50		
10	16QAM	1	25	22.54	22.69	22.27	22.34	22.41	22.3	1.3
10	16QAM	1	49	22.68	22.67	22.21	22.40	22.39		
10	16QAM	25	0	21.59	21.83	21.60	21.51	21.55	22.3	1.3
10	16QAM	25	12	21.57	21.82	21.58	21.56	21.60		
10	16QAM	25	25	21.61	21.79	21.55	21.52	21.61	22.3	1.3
10	16QAM	50	0	21.64	21.75	21.68	21.39	21.61		
10	64QAM	1	0	21.28	21.56	21.12	21.29	21.53	22.3	1.3
10	64QAM	1	25	21.52	21.53	21.29	21.15	21.29		
10	64QAM	1	49	21.52	21.49	21.52	21.15	21.19	21.3	2.3
10	64QAM	25	0	20.57	20.81	20.57	20.43	20.53		
10	64QAM	25	12	20.58	20.82	20.52	20.35	20.54	21.3	2.3
10	64QAM	25	25	20.62	20.76	20.40	20.46	20.53		
10	64QAM	50	0	20.60	20.76	20.33	20.33	20.51		
Channel				55265	55810	55990	56170	56715		
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	22.37	22.61	22.64	22.68	22.51	23.6	0
5	QPSK	1	12	22.33	22.68	22.51	22.63	22.39		
5	QPSK	1	24	22.51	22.70	22.62	22.56	22.52	23.3	0.3
5	QPSK	12	0	22.46	22.66	22.54	22.39	22.54		
5	QPSK	12	7	22.48	22.71	22.67	22.49	22.57	23.3	0.3
5	QPSK	12	13	22.53	22.67	22.57	22.41	22.57		
5	QPSK	25	0	22.52	22.64	22.47	22.23	22.47	23.3	0.3
5	16QAM	1	0	22.51	22.67	22.46	22.26	22.46		
5	16QAM	1	12	22.56	22.71	22.59	22.33	22.49	22.3	1.3
5	16QAM	1	24	22.68	22.52	22.58	22.50	22.58		
5	16QAM	12	0	21.56	21.80	21.58	21.43	21.58	22.3	1.3
5	16QAM	12	7	21.59	21.83	21.63	21.54	21.63		
5	16QAM	12	13	21.59	21.81	21.65	21.52	21.65	22.3	1.3
5	16QAM	25	0	21.62	21.83	21.64	21.46	21.64		
5	64QAM	1	0	21.21	21.59	21.35	21.21	21.35	22.3	1.3
5	64QAM	1	12	21.25	21.51	21.28	21.21	21.28		
5	64QAM	1	24	21.36	21.57	21.36	21.30	21.36	21.3	2.3
5	64QAM	12	0	20.52	20.88	20.56	20.46	20.63		
5	64QAM	12	7	20.58	20.85	20.46	20.49	20.63	21.3	2.3
5	64QAM	12	13	20.63	20.80	20.68	20.52	20.65		
5	64QAM	25	0	20.60	20.76	20.80	20.42	20.60		



Reduced Power - DSI 1 for BodyWorn / Handheld_Ant 3

Band 2 (1900MHz Band)									
Part 24E									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.65	20.66	20.75	21.5	0	
20	QPSK	1	49	20.63	20.48	20.67			
20	QPSK	1	99	20.58	20.49	20.66			
20	QPSK	50	0	20.62	20.65	20.49			
20	QPSK	50	24	20.51	20.54	20.26			
20	QPSK	50	50	20.21	20.34	20.29	21.5	0	
20	QPSK	100	0	20.49	20.62	20.32			
20	16QAM	1	0	19.89	20.18	20.14			
20	16QAM	1	49	19.25	19.22	19.27	21.5	0	
20	16QAM	1	99	20.00	19.94	20.28			
20	16QAM	50	0	20.26	20.63	20.31			
20	16QAM	50	24	20.33	20.65	20.36			
20	16QAM	50	50	20.50	20.40	20.35	21.5	0	
20	16QAM	100	0	20.28	20.52	20.44			
20	64QAM	1	0	20.33	20.34	20.22			
20	64QAM	1	49	20.29	20.36	20.10	21.5	0	
20	64QAM	1	99	20.13	20.09	20.14			
20	64QAM	50	0	20.14	20.21	20.04			
20	64QAM	50	24	20.22	20.26	19.99			
20	64QAM	50	50	20.25	20.20	20.16	20.5	1	
20	64QAM	100	0	19.81	20.00	20.20			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.59	19.69	19.68	21.5	0	
15	QPSK	1	37	20.39	20.51	20.77			
15	QPSK	1	74	20.74	20.48	20.73			
15	QPSK	36	0	20.48	20.55	20.35			
15	QPSK	36	20	20.35	20.55	20.53	21.5	0	
15	QPSK	36	39	20.21	20.35	20.40			
15	QPSK	75	0	20.38	20.71	20.66			
15	16QAM	1	0	19.91	20.11	20.14			
15	16QAM	1	37	19.80	19.88	20.03	21.5	0	
15	16QAM	1	74	20.01	19.89	19.80			
15	16QAM	36	0	20.27	20.68	20.60			
15	16QAM	36	20	20.46	20.72	20.71	21.5	0	
15	16QAM	36	39	20.49	20.40	20.31			
15	16QAM	75	0	20.25	20.52	20.63			
15	64QAM	1	0	20.44	20.34	20.38			
15	64QAM	1	37	20.44	20.45	20.46	21.5	0	
15	64QAM	1	74	20.20	20.08	20.48			
15	64QAM	36	0	20.10	20.13	20.28			
15	64QAM	36	20	20.23	20.21	20.08	20.5	1	
15	64QAM	36	39	20.16	20.12	20.06			
15	64QAM	75	0	20.09	20.20	20.08			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.72	20.70	20.69	21.5	0	
10	QPSK	1	25	20.36	20.58	20.84			
10	QPSK	1	49	20.62	20.55	20.80			
10	QPSK	25	0	20.31	20.46	20.26			
10	QPSK	25	12	20.48	20.48	20.46	21.5	0	
10	QPSK	25	25	19.99	20.31	20.36			
10	QPSK	50	0	20.34	20.66	20.61			
10	16QAM	1	0	19.82	20.12	20.15			
10	16QAM	1	25	19.98	19.91	20.06	21.5	0	
10	16QAM	1	49	20.18	19.93	19.84			
10	16QAM	25	0	20.38	20.57	20.49			
10	16QAM	25	12	20.34	20.64	20.63	21.5	0	
10	16QAM	25	25	20.21	20.37	20.28			
10	16QAM	50	0	20.09	20.42	20.53			
10	64QAM	1	0	20.36	20.47	20.21			
10	64QAM	1	25	20.51	20.58	20.59	21.5	0	
10	64QAM	1	49	20.33	20.36	20.76			
10	64QAM	25	0	20.04	20.18	20.10			
10	64QAM	25	12	20.04	20.23	20.10	20.5	1	
10	64QAM	25	25	20.14	20.08	20.02			
10	64QAM	50	0	20.05	20.04	20.12			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.53	20.64	20.64	21.5	0	
5	QPSK	1	12	20.55	20.68	20.72			
5	QPSK	1	24	20.45	20.50	20.66			
5	QPSK	12	0	20.42	20.43	20.17			
5	QPSK	12	7	20.53	20.48	20.51	21.5	0	
5	QPSK	12	13	20.23	20.38	20.33			
5	QPSK	25	0	20.46	20.79	20.89			
5	16QAM	1	0	19.77	20.07	19.73			
5	16QAM	1	12	19.73	19.89	19.95	21.5	0	
5	16QAM	1	24	19.91	20.00	19.91			
5	16QAM	12	0	20.20	20.55	20.43			
5	16QAM	12	7	20.49	20.63	20.69	21.5	0	
5	16QAM	12	13	20.55	20.42	20.30			
5	16QAM	25	0	20.35	20.49	20.52			
5	64QAM	1	0	20.42	20.47	20.44	21.5	0	
5	64QAM	1	12	20.45	20.47	20.62			
5	64QAM	1	24	20.37	20.43	20.70			
5	64QAM	12	0	19.97	20.06	20.32			
5	64QAM	12	7	20.08	20.13	20.04	20.5	1	
5	64QAM	12	13	20.25	20.10	20.00			
5	64QAM	25	0	20.31	20.09	20.14			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.54	20.70	20.64	21.5	0	
3	QPSK	1	8	20.54	20.68	20.66			
3	QPSK	1	14	20.80	20.56	20.83			
3	QPSK	8	0	20.37	20.35	20.18			
3	QPSK	8	4	20.40	20.53	20.33	21.5	0	
3	QPSK	8	7	20.18	20.25	20.38			
3	QPSK	15	0	20.36	20.79	20.86			
3	16QAM	1	0	20.09	20.08	20.22			
3	16QAM	1	8	20.03	19.97	20.00	21.5	0	
3	16QAM	1	14	19.88	19.77	19.89			
3	16QAM	8	0	20.21	20.62	20.48			
3	16QAM	8	4	20.52	20.70	20.65	21.5	0	
3	16QAM	8	7	20.51	20.26	20.29			
3	16QAM	15	0	20.24	20.61	20.49			
3	64QAM	1	0	20.37	20.38	20.47			
3	64QAM	1	8	20.47	20.57	20.50	21.5	0	
3	64QAM	1	14	20.14	20.33	20.60			
3	64QAM	8	0	20.09	20.30	20.18			
3	64QAM	8	4	20.17	20.15	19.96	20.5	1	
3	64QAM	8	7	20.22	20.10	20.00			
3	64QAM	15	0	20.03	20.12	20.20			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.37	20.43	20.42	21.5	0	
1.4	QPSK	1	3	20.64	20.60	20.62			
1.4	QPSK	1	5	20.41	20.44	20.45			
1.4	QPSK	3	0	20.45	20.42	20.43			
1.4	QPSK	3	1	20.45	20.43	20.46			
1.4	QPSK	3	3	20.41	20.43	20.47	20.5	1	
1.4	QPSK	6	0	20.48	20.53	20.59			
1.4	16QAM	1	0	20.12	20.16	20.18			
1.4	16QAM	1	3	20.19	20.22	20.25			
1.4	16QAM	1	5	20.25	20.20	20.23	20.5	1	
1.4	16QAM	3	0	20.25	20.47	20.45			
1.4	16QAM	3	1	20.21	20.24	20.20			
1.4	16QAM	3	3	20.85	20.51	20.53			
1.4	16QAM	6	0	20.52	20.54	20.50	19.5	2	
1.4	64QAM	1	0	20.49	20.53	20.52			
1.4	64QAM	1	3	20.63	20.62	20.64			
1.4	64QAM	1	5	20.49	20.48	20.43	19.5	2	
1.4	64QAM	3	0	20.77	20.75	20.71			
1.4	64QAM	3	1	20.73	20.79	20.76			
1.4	64QAM	3	3	20.72	20.78	20.72			
1.4	64QAM	6	0	20.28	20.23	20.10	18.5	3	

Band 66									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 132072	Power Middle Ch. / Freq. 132322	Power High Ch. / Freq. 132572	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.31	21.33	21.21	22	0	
20	QPSK	1	49	21.28	21.21	21.21			
20	QPSK	1	99	21.23	21.16	21.22			
20	QPSK	50	0	21.32	21.33	21.21			

Full Power

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	49	1	0	1	0	23.67	25.00
20575	20476	QPSK	1	0	1	49	1	0	23.71	25.00
20600	20501	QPSK	1	0	1	49	1	0	23.70	25.00

Reduced Power - DSI 3 for Head

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	49	1	0	1	0	22.53	23.80
20575	20476	QPSK	1	0	1	49	1	0	22.59	23.80
20600	20501	QPSK	1	0	1	49	1	0	22.51	23.80

Full Power

CA_66B										
Combination 15MHz+5MHz (75RB*25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	1	0	23.92	25.00
132322	132229	QPSK	1	0	1	24	1	0	23.97	25.00
132597	132504	QPSK	1	0	1	24	1	0	23.87	25.00

Reduced Power - DSI 2 for Hotspot

CA_66B										
Combination 15MHz+5MHz (75RB*25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	1	0	19.88	21.40
132322	132229	QPSK	1	0	1	24	1	0	20.03	21.40
132597	132504	QPSK	1	0	1	24	1	0	20.01	21.40

Reduced Power - DSI 1 for BodyWorn / Handheld

CA_66B										
Combination 15MHz+5MHz (75RB*25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	1	0	21.27	22.40
132322	132229	QPSK	1	0	1	24	1	0	21.32	22.40
132597	132504	QPSK	1	0	1	24	1	0	21.31	22.40



Full Power

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	24.22	25.00
132322	132124	QPSK	1	0	1	99	1	0	24.24	25.00
132572	132374	QPSK	1	0	1	99	1	0	24.17	25.00

Reduced Power - DSI 2 for Hotspot

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	20.11	21.40
132322	132124	QPSK	1	0	1	99	1	0	20.19	21.40
132572	132374	QPSK	1	0	1	99	1	0	20.06	21.40

Reduced Power - DSI 1 for BodyWorn / Handheld

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	21.37	22.40
132322	132124	QPSK	1	0	1	99	1	0	21.46	22.40
132572	132374	QPSK	1	0	1	99	1	0	21.43	22.40



Full Power

CA_48C								
Combination 20MHz*20MHz (100RB*100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	100	0	100	0	19.42	20.00
55830	55632	QPSK	100	0	100	0	19.69	20.00
56150	55952	QPSK	100	0	100	0	19.42	20.00
56640	56442	QPSK	100	0	100	0	19.50	20.00



2CA DL Full Power

Configure	PCC							DL Antenna Configuration	SCC				Power		
	LTE	BW	UL	UL	Mod.	UL#	UL		LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_4A-48A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	23.94	24.44
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.56	23.33



3CA DL Full Power

<Inter-Band for Three Carrier Combination> (three bands)

Configure	PCC										SCC1				SCC2				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.12	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.37	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.94	24.21
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.23	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.84	24.44
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.02	23.93
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.34	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.32	24.41
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.26	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.03	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.76	23.88
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.23	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	23.93
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.23	24.41
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.96	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.76	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.23	24.41

<Inter-Band for Three Carrier Combination> (two bands)

Configure	PCC										SCC1				SCC2				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.21	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.23	24.44
CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.23	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.23	24.44
CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.25	24.31
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.78	23.88
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.35	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	5M	1987.5	1175	4x4MIMO	23.97	24.21
CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.23	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.94	23.93
CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.21	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.67	24.41
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.21	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.99	24.41
CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.09	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.01	24.21
CA_4A-48C	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	24.23	24.44
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.75	23.88
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.21	24.44
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.99	23.93
CA_5A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.03	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	24.23	24.41
CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.2	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.34	24.41
CA_13A-66A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.94	23.93
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.33	24.41
CA_13A-48A-48A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.97	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.61	23.88
CA_48A-48A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.56	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.32	24.41
CA_48A-66A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.52	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.33	24.41
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	24.4	24.41
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	24.35	24.41
CA_66A-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	23.99	24.41



3CA DL Reduced Power - DSI 3 for Head

and for Three Carrier Combination> (three

Configure	PCC							SCC1				SCC2				Power				
	LTE	BW	UL	UL	UL	UL	DL	LTE	BW	DL	DL	DL	LTE	BW	DL	DL	DL	With CA	Without CA	
	Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.23	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.32	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.56	22.74
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.21	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.84	24.44
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.34	21.4
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	24.23	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.66	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.32	24.41
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.24	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.33	21.4
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.78	23.88
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	24.24	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.34	21.4
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.21	24.41
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	21.35	21.4
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.87	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.25	24.41

<Inter-Band for Three Carrier Combination> (two bands)

Configure	PCC							SCC1				SCC2				Power				
	LTE	BW	UL	UL	UL	UL	DL	LTE	BW	DL	DL	DL	LTE	BW	DL	DL	DL	With CA	Without CA	
	Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.22	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.23	24.44
CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.23	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.34	24.44
CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.26	24.31
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.67	23.88
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.21	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.67	22.74
CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.3	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.34	21.4
CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	24.19	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.72	24.41
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.21	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.11	24.41
CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.23	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.67	22.74
CA_4A-48C	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.64	24.44
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.51	23.88
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.3	24.44
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.34	21.4
CA_5A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	22.67	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	24.32	24.41
CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.66	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.21	24.49
CA_13A-66A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.34	21.4
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.71	24.41
CA_13A-48A-48A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	21.37	21.4
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.61	23.88
CA_48A-48A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	23.76	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.21	24.41
CA_48A-66A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	68886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.52	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.23	24.41
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	24.22	24.41
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	24.21	24.41
CA_66A-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	24.2	24.41



3CA DL Reduced Power - DSI 2 for Hotspot

<Inter-Band for Three Carrier Combination> (three bands)

Configure	PCC								SCC1				SCC2				Power			
	LTE	BW	UL	UL	UL/F	UL	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.56	20.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.7	20.73
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.84	24.21
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.66	20.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.71	20.73
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.02	23.93
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	20.56	20.69
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.7	20.71
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	20.64	20.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.03	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.87	23.88
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	20.65	20.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	23.93
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.7	20.71
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.96	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.56	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	20.68	20.71

<Inter-Band for Three Carrier Combination> (two bands)

Configure	PCC								SCC1				SCC2				Power			
	LTE	BW	UL	UL	UL/F	UL	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	20.56	20.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	20.7	20.73
CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	20.65	20.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.71	20.73
CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	20.58	20.69
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.12	23.22
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.58	20.69
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.97	24.21
CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.59	20.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.94	23.93
CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	20.61	20.69
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.32	24.41
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	20.67	20.69
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.7	20.71
CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.75	20.73
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.78	24.21
CA_4A-48C	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	20.78	20.73
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.23	23.22
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.75	20.73
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.99	23.93
CA_5A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.03	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	20.7	20.71
CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.88	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.74	20.71
CA_13A-66A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.94	23.93
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.68	20.71
CA_13A-48A-48A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.97	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.21	23.22
CA_48A-48A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.12	23.22
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	20.69	20.71
CA_48A-66A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.21	23.22
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	20.68	20.71
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	20.7	20.71
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	20.66	20.71
CA_66A-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	20.68	20.71



3CA DL Reduced Power - DSI 1 for BodyWorn / Handheld

<Inter-Band for Three Carrier Combination> (three bands)

Configure	PCC							SCC1							SCC2							Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA			
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)			
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	23.56	23.69			
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.54	22.59			
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.94	24.21			
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.55	23.69			
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.56	22.59			
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.02	23.93			
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.54	23.69			
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	24.21			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.43	22.51			
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	23.65	23.69			
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.03	23.93			
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.12	23.22			
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.55	23.69			
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	23.93			
	Band 66	20M	782	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.45	22.51			
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.96	23.93			
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.21	23.22			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	22.45	22.51			

<Inter-Band for Three Carrier Combination> (two bands)

Configure	PCC							SCC1							SCC2							Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA			
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)			
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.54	23.69			
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.43	22.59			
CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.45	23.69			
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.45	22.59			
CA_2A-4A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.6	23.69			
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.25	23.22			
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	23.6	23.69			
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.97	24.21			
CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.65	23.69			
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.94	23.93			
CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.66	23.69			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.51	22.51			
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.65	23.69			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.5	22.51			
CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.61	22.59			
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.78	24.21			
CA_4A-4A-8C	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	22.6	22.59			
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.24	23.22			
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.6	22.59			
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.99	23.93			
CA_5A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.03	24.21			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	881.5	2525	4x4MIMO	22.6	22.51			
CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.88	24.21			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.61	22.51			
CA_13A-66A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.94	23.93			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.62	22.51			
CA_13A-48A-48A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.97	23.93			
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.23	23.22			
CA_48A-48A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.24	23.22			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	22.45	22.51			
CA_48A-66A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.24	23.22			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	22.53	22.51			
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	22.55	22.51			
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	22.51	22.51			
CA_66A-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66556	4x4MIMO	22.49	22.51			



4CA DL DSI 3 for Head

<Inter-Band for Three Carrier Combination> (two bands)

Configure	PCC										SCC1				SCC2				SCC3				Power		
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A-66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1967.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.78	24.31
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1982.5	1175	4x4MIMO	24.02	24.44
CA_2A-2A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1967.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.09	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.03	24.41
CA_2A-4A-5B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	891.5	2525	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	24.1	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	891.5	2525	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.18	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.51	22.74
CA_2A-5A-66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	891.5	2525	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.98	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.67	22.74
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.08	24.44
CA_2A-5A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	891.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.08	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.67	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.98	24.41
CA_2A-5B-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.09	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.71	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.97	24.41
CA_2A-13A-48C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	24.03	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.23	21.4
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.82	23.88
CA_2A-13A-66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	24.06	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.32	21.4
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.31	24.44
CA_2A-13A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.05	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.34	21.4
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	24.21	24.31
CA_2A-48A-48C	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.67	23.88
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	24.11	24.31
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.45	23.88
CA_4A-4A-5B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	24.14	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 5	10M	891.5	2525	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.48	22.74
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.99	24.44
CA_4A-48A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.56	23.88
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.99	24.44
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.56	23.88
CA_5A-5A-66B	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.71	22.74
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	24.11	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.12	24.21
CA_5A-5A-66C	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	24.34	24.41
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	891.5	2625	4x4MIMO	24.34	24.41
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.71	22.74
CA_5B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	24.33	24.41
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.76	22.74
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	24.2	24.44
CA_5B-66C	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.67	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5						



Full Power

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.83	24.15	23.86		
20	PI/2 BPSK	1	53	24.02	24.10	23.88	25.0	0.0
20	PI/2 BPSK	1	104	23.95	24.00	23.90		
20	PI/2 BPSK	50	0	23.16	23.30	23.15	24.5	0.5
20	PI/2 BPSK	50	28	23.65	23.85	23.77	25.0	0.0
20	PI/2 BPSK	50	56	23.22	23.31	23.26	24.5	0.5
20	PI/2 BPSK	100	0	23.25	23.34	23.19	24.5	0.5
20	QPSK	1	1	23.91	24.16	23.99		
20	QPSK	1	53	24.01	24.13	24.04	25.0	0.0
20	QPSK	1	104	23.88	24.12	23.99		
20	QPSK	50	0	23.13	23.37	23.10	24.5	0.5
20	QPSK	50	28	23.83	23.94	23.88	25.0	0.0
20	QPSK	50	56	23.22	23.37	23.20	24.5	0.5
20	QPSK	100	0	23.16	23.39	23.09	24.0	1.0
20	16QAM	1	1	23.46	23.69	23.44	24.0	1.0
20	64QAM	1	1	21.58	21.88	21.51	22.5	2.5
20	256QAM	1	1	19.56	19.73	19.55	20.5	4.5
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.11	24.15	24.10	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	24.08	24.12	24.04	25.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.05	24.13	24.01	25.0	0.0

n5 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.96	24.20	23.88		
20	PI/2 BPSK	1	53	24.01	24.02	23.96	25.0	0.0
20	PI/2 BPSK	1	104	23.65	23.82	23.59		
20	PI/2 BPSK	50	0	24.02	24.10	23.93	24.5	0.5
20	PI/2 BPSK	50	28	23.88	23.98	23.75	25.0	0.0
20	PI/2 BPSK	50	56	23.75	23.83	23.70	24.5	0.5
20	PI/2 BPSK	100	0	23.86	23.99	23.81	24.5	0.5
20	QPSK	1	1	24.11	24.25	24.05		
20	QPSK	1	53	24.07	24.22	24.03	25.0	0.0
20	QPSK	1	104	23.86	23.96	23.87		
20	QPSK	50	0	23.54	23.60	23.55	24.5	0.5
20	QPSK	50	28	24.01	24.04	23.97	25.0	0.0
20	QPSK	50	56	23.36	23.41	23.26	24.5	0.5
20	QPSK	100	0	23.51	23.58	23.56	24.0	1.0
20	16QAM	1	1	23.55	23.64	23.42	24.0	1.0
20	64QAM	1	1	22.03	22.09	21.99	22.5	2.5
20	256QAM	1	1	20.14	20.24	20.01	20.5	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.91	23.96	23.84	25.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.88	23.95	23.82	25.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.85	23.98	23.84	25.0	0.0



n66 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.84	24.03	23.97	25.0	0.0
20	PI/2 BPSK	1	53	23.75	24.01	23.85		
20	PI/2 BPSK	1	104	23.73	24.05	23.86		
20	PI/2 BPSK	50	0	23.51	23.94	23.78	24.5	0.5
20	PI/2 BPSK	50	28	23.57	23.87	23.69	25.0	0.0
20	PI/2 BPSK	50	56	23.51	23.80	23.74	24.5	0.5
20	PI/2 BPSK	100	0	23.55	23.87	23.79	24.5	0.5
20	QPSK	1	1	23.95	24.11	24.05	25.0	0.0
20	QPSK	1	53	23.88	24.07	24.01		
20	QPSK	1	104	23.86	24.10	24.02		
20	QPSK	50	0	23.17	23.41	23.32	24.5	0.5
20	QPSK	50	28	23.78	23.89	23.83	25.0	0.0
20	QPSK	50	56	23.14	23.40	23.34	24.5	0.5
20	QPSK	100	0	23.16	23.40	23.28	24.0	1.0
20	16QAM	1	1	23.21	23.47	23.32	24.0	1.0
20	64QAM	1	1	21.68	21.95	21.84	22.5	2.5
20	256QAM	1	1	19.62	19.94	19.85	20.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.66	23.86	23.73	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.65	23.85	23.76	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.67	23.83	23.73	25.0	0.0



Reduced Power - DSI 3 for Head

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.05	19.06	19.14		
20	PI/2 BPSK	1	53	19.33	19.30	19.38	20.0	0.0
20	PI/2 BPSK	1	104	19.14	18.97	19.07		
20	PI/2 BPSK	50	0	19.02	18.90	19.07		
20	PI/2 BPSK	50	28	19.13	18.88	19.17	20.0	0.0
20	PI/2 BPSK	50	56	19.16	19.04	19.08		
20	PI/2 BPSK	100	0	19.15	18.85	19.08	20.0	0.0
20	QPSK	1	1	19.35	19.48	19.44		
20	QPSK	1	53	19.32	18.98	19.33	20.0	0.0
20	QPSK	1	104	19.14	18.95	19.08		
20	QPSK	50	0	19.05	18.90	19.17		
20	QPSK	50	28	19.33	19.43	19.37	20.0	0.0
20	QPSK	50	56	18.99	18.85	18.97		
20	QPSK	100	0	19.21	19.42	19.36	20.0	0.0
20	16QAM	1	1	18.50	18.98	18.55	20.0	0.0
20	64QAM	1	1	19.21	18.82	19.05	20.0	0.0
20	256QAM	1	1	18.77	18.81	18.85	20.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	20.0	0.0
15	QPSK	1	1	19.36	19.27	19.36	20.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	20.0	0.0
10	QPSK	1	1	19.30	19.18	19.27	20.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	20.0	0.0
5	QPSK	1	1	19.15	19.30	19.20	20.0	0.0

n5 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.56	21.59	21.53		
20	PI/2 BPSK	1	53	21.46	21.74	21.62	22.8	0.0
20	PI/2 BPSK	1	104	21.37	21.25	21.32		
20	PI/2 BPSK	50	0	21.51	21.46	21.43		
20	PI/2 BPSK	50	28	21.45	21.35	21.45	22.8	0.0
20	PI/2 BPSK	50	56	21.39	21.29	21.30		
20	PI/2 BPSK	100	0	21.41	21.37	21.33	22.8	0.0
20	QPSK	1	1	21.50	21.70	21.42		
20	QPSK	1	53	21.63	21.97	21.73	22.8	0.0
20	QPSK	1	104	21.33	21.30	21.31		
20	QPSK	50	0	21.50	21.54	21.52		
20	QPSK	50	28	21.43	21.56	21.33	22.8	0.0
20	QPSK	50	56	21.41	21.36	21.39		
20	QPSK	100	0	21.40	21.45	21.38	22.8	0.0
20	16QAM	1	1	21.77	21.57	21.64	22.8	0.0
20	64QAM	1	1	21.55	21.46	21.53	22.5	0.3
20	256QAM	1	1	19.58	19.25	19.38	20.5	2.3
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	22.8	0.0
15	QPSK	1	1	21.82	21.85	21.58	22.8	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	22.8	0.0
10	QPSK	1	1	21.79	21.91	21.65	22.8	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	22.8	0.0
5	QPSK	1	1	21.71	21.83	21.73	22.8	0.0



n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.30	21.18	21.15	22.0	0.0
20	PI/2 BPSK	1	53	21.40	21.25	21.25		
20	PI/2 BPSK	1	104	21.31	21.16	21.22		
20	PI/2 BPSK	50	0	21.18	21.13	21.10	22.0	0.0
20	PI/2 BPSK	50	28	21.20	21.07	21.08		
20	PI/2 BPSK	50	56	21.23	21.15	21.13		
20	PI/2 BPSK	100	0	21.20	21.04	21.12	22.0	0.0
20	QPSK	1	1	21.39	21.45	21.43	22.0	0.0
20	QPSK	1	53	21.33	21.09	21.14		
20	QPSK	1	104	21.27	21.24	21.22		
20	QPSK	50	0	21.23	21.14	21.17	22.0	0.0
20	QPSK	50	28	21.35	21.42	21.40		
20	QPSK	50	56	21.14	21.01	20.01		
20	QPSK	100	0	21.09	21.39	21.02	22.0	0.0
20	16QAM	1	1	21.20	20.54	20.61	22.0	0.0
20	64QAM	1	1	21.06	21.14	21.07	22.0	0.0
20	256QAM	1	1	19.10	18.97	19.03	20.5	1.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.42	21.25	21.36	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.35	21.35	21.33	22.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.32	21.37	21.32	22.0	0.0



Reduced Power - DSI 2 for Hotspot

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.34	20.19	20.31	21.5	0.0
20	PI/2 BPSK	1	53	20.45	20.48	20.45		
20	PI/2 BPSK	1	104	20.23	20.07	20.23		
20	PI/2 BPSK	50	0	20.28	20.06	20.35		
20	PI/2 BPSK	50	28	20.33	20.03	20.22	21.5	0.0
20	PI/2 BPSK	50	56	20.25	20.16	20.15		
20	PI/2 BPSK	100	0	20.29	20.03	20.29	21.5	0.0
20	QPSK	1	1	20.68	20.75	20.60		
20	QPSK	1	53	20.55	20.38	20.35	21.5	0.0
20	QPSK	1	104	20.52	20.34	20.38		
20	QPSK	50	0	20.31	20.09	20.06		
20	QPSK	50	28	20.61	20.68	20.64	21.5	0.0
20	QPSK	50	56	20.27	20.17	20.23		
20	QPSK	100	0	22.55	20.67	22.49	21.5	0.0
20	16QAM	1	1	20.15	20.17	20.13	21.5	0.0
20	64QAM	1	1	20.31	20.28	20.22	21.5	0.0
20	256QAM	1	1	19.58	19.58	19.62	20.5	1.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.09	20.23	20.10	21.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.21	20.25	20.05	21.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.18	20.12	20.12	21.5	0.0

n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	22.57	22.45	22.19		
20	PI/2 BPSK	1	53	22.63	22.48	22.75	23.5	0.0
20	PI/2 BPSK	1	104	22.51	22.42	22.41		
20	PI/2 BPSK	50	0	22.48	22.34	22.37		
20	PI/2 BPSK	50	28	22.35	22.32	22.35	23.5	0.0
20	PI/2 BPSK	50	56	22.42	22.45	22.39		
20	PI/2 BPSK	100	0	22.37	22.36	22.35	23.5	0.0
20	QPSK	1	1	22.67	22.73	22.65		
20	QPSK	1	53	22.69	22.39	22.51	23.5	0.0
20	QPSK	1	104	22.52	22.54	22.53		
20	QPSK	50	0	22.57	22.45	22.42		
20	QPSK	50	28	22.65	22.68	22.62	23.5	0.0
20	QPSK	50	56	22.51	22.49	22.40		
20	QPSK	100	0	22.49	22.63	22.42	23.5	0.0
20	16QAM	1	1	22.59	22.25	22.09	23.5	0.0
20	64QAM	1	1	21.95	21.90	21.92	22.5	1.0
20	256QAM	1	1	19.47	19.30	19.46	20.5	3.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.32	22.25	22.34	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.25	22.31	22.19	23.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.23	22.34	22.15	23.5	0.0



Reduced Power - DSI 1 for Body worn / Handheld

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.82	21.95	21.86		
20	PI/2 BPSK	1	53	22.07	22.01	21.85	23.0	0.0
20	PI/2 BPSK	1	104	21.82	21.86	21.95		
20	PI/2 BPSK	50	0	21.80	21.79	21.92		
20	PI/2 BPSK	50	28	21.72	21.77	21.78	23.0	0.0
20	PI/2 BPSK	50	56	21.77	21.81	21.93		
20	PI/2 BPSK	100	0	21.71	21.77	21.80	23.0	0.0
20	QPSK	1	1	22.31	22.32	22.30		
20	QPSK	1	53	21.85	21.91	21.95	23.0	0.0
20	QPSK	1	104	21.84	21.83	21.99		
20	QPSK	50	0	21.81	21.82	21.83		
20	QPSK	50	28	22.25	22.31	22.23	23.0	0.0
20	QPSK	50	56	21.85	21.80	22.01		
20	QPSK	100	0	21.74	22.27	21.83	23.0	0.0
20	16QAM	1	1	21.65	21.98	21.84	23.0	0.0
20	64QAM	1	1	21.52	21.82	21.62	22.5	0.5
20	256QAM	1	1	19.58	19.78	19.55	20.5	2.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.11	22.03	21.96	23.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.08	21.93	22.03	23.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.05	21.98	21.81	23.0	0.0

n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.53	23.48	23.49		
20	PI/2 BPSK	1	53	23.54	23.34	23.52	24.5	0.0
20	PI/2 BPSK	1	104	23.55	23.47	23.53		
20	PI/2 BPSK	50	0	23.42	23.41	23.41	24.5	
20	PI/2 BPSK	50	28	23.39	23.37	23.39	24.5	0.0
20	PI/2 BPSK	50	56	23.43	23.44	23.39	24.5	
20	PI/2 BPSK	100	0	23.48	23.34	23.41	24.5	0.0
20	QPSK	1	1	23.65	23.72	23.67		
20	QPSK	1	53	23.64	23.64	23.70	24.5	0.0
20	QPSK	1	104	23.57	23.56	23.62		
20	QPSK	50	0	23.43	23.44	23.46	24.5	
20	QPSK	50	28	23.67	23.68	23.61	24.5	0.0
20	QPSK	50	56	23.43	23.49	23.47	24.5	
20	QPSK	100	0	23.18	23.25	23.16	24.0	0.5
20	16QAM	1	1	23.56	23.28	23.29	24.0	0.5
20	64QAM	1	1	21.86	21.86	21.93	22.5	2.0
20	256QAM	1	1	19.39	19.29	19.52	20.5	4.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.16	23.42	23.15	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.16	23.25	23.21	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.29	23.32	23.23	24.5	0.0



2.4GHz WLAN		Ant 1+2 Full Power / Simultaneous				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.82	21.00	100.00
		6	2437	20.79	21.00	
		11	2462	20.24	21.00	
	802.11g 6Mbps	1	2412	19.91	20.50	98.62
		6	2437	20.16	20.50	
		11	2462	19.82	20.50	
	802.11n-HT20 MCS0	1	2412	19.35	20.50	98.52
		6	2437	19.28	20.50	
		11	2462	19.25	20.50	
802.11n-HT40 MCS0	3	2422	18.20	19.50	94.93	
	6	2437	19.47	20.50		
	9	2452	19.33	20.50		

5GHz WLAN		Ant 1+2 Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.08	20.50	98.55
		40	5200	19.31	20.50	
		44	5220	19.40	20.50	
		48	5240	19.19	20.50	
	802.11n-HT20 MCS0	36	5180	19.28	20.50	98.16
		40	5200	19.29	20.50	
		44	5220	19.27	20.50	
		48	5240	19.21	20.50	
	802.11n-HT40 MCS0	38	5190	14.23	15.50	96.32
		46	5230	19.16	20.00	
	802.11ac-VHT20 MCS0	36	5180	16.96	20.50	98.16
		40	5200	18.71	20.50	
		44	5220	19.30	20.50	
		48	5240	18.69	20.50	
	802.11ac-VHT40 MCS0	38	5190	14.29	15.50	96.48
46		5230	19.36	20.00		
802.11ac-VHT80 MCS0	42	5210	13.66	14.50	92.49	

5GHz WLAN		Ant 1+2 Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.14	20.50	98.55
		56	5280	19.63	20.50	
		60	5300	19.50	20.50	
		64	5320	19.37	20.50	
	802.11n-HT20 MCS0	52	5260	18.93	20.50	98.16
		56	5280	16.99	20.50	
		60	5300	18.94	20.50	
		64	5320	18.92	20.50	
	802.11n-HT40 MCS0	54	5270	19.06	20.00	96.32
		62	5310	18.50	19.50	
	802.11ac-VHT20 MCS0	52	5260	19.30	20.50	98.16
		56	5280	18.88	20.50	
		60	5300	19.04	20.50	
		64	5320	19.04	20.50	
	802.11ac-VHT40 MCS0	54	5270	19.19	20.00	96.48
62		5310	18.65	19.50		
802.11ac-VHT80 MCS0	58	5290	17.16	18.50	92.49	

5GHz WLAN		Ant 1+2 Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.65	20.00	98.55
		116	5580	18.09	20.00	
		124	5620	18.41	20.00	
		132	5660	19.12	20.00	
		140	5700	18.87	20.00	
		144	5720	18.58	20.00	
	802.11n-HT20 MCS0	100	5500	19.06	20.00	98.16
		116	5580	19.23	20.00	
		124	5620	19.11	20.00	
		132	5660	18.90	20.00	
		140	5700	18.92	20.00	
		144	5720	18.66	20.00	
	802.11n-HT40 MCS0	102	5510	19.02	19.50	96.32
		110	5550	19.36	19.50	
		126	5630	19.03	19.50	
134		5670	18.99	19.50		
802.11ac-VHT20 MCS0	100	5500	19.14	19.50	98.16	
	116	5580	18.52	19.50		
	124	5620	18.70	19.50		
	132	5660	18.74	19.50		
	140	5700	18.31	19.50		
	144	5720	18.30	19.50		
802.11ac-VHT40 MCS0	102	5510	19.17	19.50	96.48	
	110	5550	19.29	19.50		
	126	5630	19.06	19.50		
	134	5670	18.95	19.50		
802.11ac-VHT80 MCS0	106	5530	15.92	17.00	92.49	
	122	5610	18.03	19.50		
	138	5690	17.68	19.00		

5GHz WLAN		Ant 1+2 Simultaneous-Body				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.70	16.00	98.55
		40	5200	15.63	16.00	
		44	5220	15.72	16.00	
		48	5240	15.52	16.00	
	802.11n-HT20 MCS0	36	5180	Not Required	16.00	98.16
		40	5200	Not Required	16.00	
		44	5220	Not Required	16.00	
		48	5240	Not Required	16.00	
	802.11n-HT40 MCS0	38	5190	Not Required	15.50	96.32
		46	5230	Not Required	15.50	
	802.11ac-VHT20 MCS0	36	5180	Not Required	16.00	98.16
		40	5200	Not Required	16.00	
		44	5220	Not Required	16.00	
		48	5240	Not Required	16.00	
	802.11ac-VHT40 MCS0	38	5190	Not Required	15.50	96.48
46		5230	Not Required	15.50		
802.11ac-VHT80 MCS0	42	5210	Not Required	14.50	92.49	

5GHz WLAN		Ant 1+2 Simultaneous-Body				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	14.32	16.00	98.55
		56	5280	14.34	16.00	
		60	5300	14.25	16.00	
		64	5320	14.29	16.00	
	802.11n-HT20 MCS0	52	5260	Not Required	16.00	98.16
		56	5280	Not Required	16.00	
		60	5300	Not Required	16.00	
		64	5320	Not Required	16.00	
	802.11n-HT40 MCS0	54	5270	Not Required	15.50	96.32
		62	5310	Not Required	15.50	
	802.11ac-VHT20 MCS0	52	5260	Not Required	16.00	98.16
		56	5280	Not Required	16.00	
		60	5300	Not Required	16.00	
		64	5320	Not Required	16.00	
	802.11ac-VHT40 MCS0	54	5270	Not Required	15.50	96.48
62		5310	Not Required	15.50		
802.11ac-VHT80 MCS0	58	5290	Not Required	14.50	92.49	

5GHz WLAN		Ant 1+2 Simultaneous-Body				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.45	15.00	98.55
		116	5580	13.37	15.00	
		124	5620	13.41	15.00	
		132	5660	13.53	15.00	
		140	5700	13.39	15.00	
		144	5720	13.41	15.00	
	802.11n-HT20 MCS0	100	5500	Not Required	15.00	98.16
		116	5580	Not Required	15.00	
		124	5620	Not Required	15.00	
		132	5660	Not Required	15.00	
		140	5700	Not Required	15.00	
		144	5720	Not Required	15.00	
	802.11n-HT40 MCS0	102	5510	Not Required	14.50	96.32
		110	5550	Not Required	14.50	
		126	5630	Not Required	14.50	
134		5670	Not Required	14.50		
802.11ac-VHT20 MCS0	100	5500	Not Required	15.00	98.16	
	116	5580	Not Required	15.00		
	124	5620	Not Required	15.00		
	132	5660	Not Required	15.00		
	140	5700	Not Required	15.00		
	144	5720	Not Required	15.00		
802.11ac-VHT40 MCS0	102	5510	Not Required	14.50	96.48	
	110	5550	Not Required	14.50		
	126	5630	Not Required	14.50		
	134	5670	Not Required	14.50		
802.11ac-VHT80 MCS0	106	5530	Not Required	14.50	92.49	
	122	5610	Not Required	14.50		
	138	5690	Not Required	14.50		



5GHz WLAN		Ant 1+2 Full Power				
Mode	Channel	Frequency (MHz)	Average power (dBm)		Duty Cycle %	
			Tune-Up Limit			
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.97	20.00	98.55
		157	5785	18.94	20.00	
		165	5825	19.05	20.00	
	802.11n-HT20 MCS0	149	5745	19.37	20.00	98.16
		157	5785	19.18	20.00	
		165	5825	19.09	20.00	
	802.11n-HT40 MCS0	151	5755	19.08	19.50	96.32
		159	5795	18.77	19.50	
	802.11ac-VHT20 MCS0	149	5745	19.00	20.00	98.16
		157	5785	18.94	20.00	
		165	5825	18.42	20.00	
	802.11ac-VHT40 MCS0	151	5755	18.80	19.50	96.48
		159	5795	18.64	19.50	
	802.11ac-VHT80 MCS0	155	5775	17.66	19.00	92.49

5GHz WLAN		Ant 1+2 Simultaneous-Body				
Mode	Channel	Frequency (MHz)	Average power (dBm)		Duty Cycle %	
			Tune-Up Limit			
5.8GHz WLAN	802.11a 6Mbps	149	5745	14.42	15.50	98.55
		157	5785	14.56	15.50	
		165	5825	14.61	15.50	
	802.11n-HT20 MCS0	149	5745	Not Required	15.50	98.16
		157	5785		15.50	
		165	5825		15.50	
	802.11n-HT40 MCS0	151	5755		15.00	96.32
		159	5795		15.00	
	802.11ac-VHT20 MCS0	149	5745		15.50	98.16
		157	5785		15.50	
		165	5825		15.50	
	802.11ac-VHT40 MCS0	151	5755		15.00	96.48
		159	5795		15.00	
	802.11ac-VHT80 MCS0	155	5775		15.00	92.49

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.09	9.43	9.03
	CH 39	2441	12.84	10.12	10.27
	CH 78	2480	12.50	10.43	10.16
Tune-up Limit			13		

BT 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	7.83
	CH 19	2440	8.01
	CH 39	2480	7.35
Tune-up Limit			9

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.71
	CH 19	2440	7.97
	CH 39	2480	7.37
Tune-up Limit			9.00