

10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	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	AAA	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %

10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 9.6 %
10767	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10776	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10780	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %

10782	AAB	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAB	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAB	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAB	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAB	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAB	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %

10824	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAB	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAB	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAB	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAB	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAB	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAB	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAB	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAB	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAB	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAB	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAB	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAB	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAB	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAB	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAB	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAB	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAB	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAB	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAB	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAB	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.88	± 9.6 %
10868	AAB	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %

10870	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %

⁴ 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 Mode for UAT/LAT

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.25	32.28	32.22	33.20	23.25	23.28	23.22	24.20
GPRS 1 Tx slot	32.23	32.24	32.18	33.20	23.23	23.24	23.18	24.20
GPRS 2 Tx slots	30.19	30.17	30.09	31.00	24.19	24.17	24.09	25.00
GPRS 3 Tx slots	28.21	28.13	28.02	29.00	23.95	23.87	23.76	24.74
GPRS 4 Tx slots	27.17	27.10	26.97	28.00	24.17	24.10	23.97	25.00
EDGE 1 Tx slot	26.77	26.91	26.80	28.00	17.77	17.91	17.80	19.00
EDGE 2 Tx slots	25.59	25.62	25.63	27.00	19.59	19.62	19.63	21.00
EDGE 3 Tx slots	23.39	23.44	23.46	25.00	19.13	19.18	19.20	20.74
EDGE 4 Tx slots	22.27	22.26	22.24	24.00	19.27	19.26	19.24	21.00

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1909.8		1850.2	1860	1909.8	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.11	29.13	29.16	30.20	20.11	20.13	20.16	21.20
GPRS 1 Tx slot	29.08	29.09	29.11	30.20	20.08	20.09	20.11	21.20
GPRS 2 Tx slots	26.53	26.48	26.51	28.00	20.53	20.46	20.51	22.00
GPRS 3 Tx slots	24.49	24.41	24.45	26.00	20.23	20.15	20.19	21.74
GPRS 4 Tx slots	23.43	23.35	23.37	25.00	20.43	20.35	20.37	22.00
EDGE 1 Tx slot	25.51	25.44	25.46	27.00	16.51	16.44	16.46	18.00
EDGE 2 Tx slots	24.43	24.37	24.41	26.00	18.43	18.37	18.41	20.00
EDGE 3 Tx slots	22.24	22.15	22.21	24.00	17.98	17.89	17.95	19.74
EDGE 4 Tx slots	21.00	21.00	21.02	23.00	18.00	18.00	18.02	20.00

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9252	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 12.2Kbps	22.56	22.52	22.48	24.00	23.31	23.38	23.36	24.00
3GPP Rel 99	RMC 12.2Kbps	22.58	22.54	22.51	24.00	23.35	23.40	23.38	24.00
3GPP Rel 6	HSDPA Subtest-1	21.37	21.78	21.79	23.00	22.32	22.33	22.36	23.50
3GPP Rel 6	HSDPA Subtest-2	21.31	21.71	21.72	23.00	22.21	22.26	22.32	23.50
3GPP Rel 6	HSDPA Subtest-3	20.93	21.17	21.18	22.50	21.76	21.82	21.82	23.00
3GPP Rel 6	HSDPA Subtest-4	20.90	21.16	21.13	22.50	21.75	21.71	21.82	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.31	21.69	21.71	23.00	22.29	22.35	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-2	21.28	21.65	21.70	23.00	22.25	22.33	22.42	23.50
3GPP Rel 6	DC-HSDPA Subtest-3	20.88	21.05	21.21	22.50	21.75	21.78	21.78	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	20.86	21.04	21.19	22.50	21.74	21.76	21.79	23.00
3GPP Rel 6	HSUPA Subtest-1	19.59	19.63	19.57	21.00	20.19	20.31	20.39	21.50
3GPP Rel 6	HSUPA Subtest-2	19.62	19.58	19.52	21.00	20.19	20.31	20.30	21.50
3GPP Rel 6	HSUPA Subtest-3	20.56	20.56	20.53	22.00	21.18	21.31	21.37	22.50
3GPP Rel 6	HSUPA Subtest-4	19.13	19.06	19.14	21.00	19.70	19.86	19.89	21.50
3GPP Rel 6	HSUPA Subtest-5	21.00	21.10	21.00	23.00	21.50	21.50	21.60	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.08	18.99	19.11	20.50	19.12	19.19	19.13	21.00

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4162	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.00	22.92	22.95	24.00
3GPP Rel 99	RMC 12.2Kbps	23.02	22.95	22.97	24.00
3GPP Rel 6	HSDPA Subtest-1	22.03	21.93	22.00	23.50
3GPP Rel 6	HSDPA Subtest-2	21.97	21.87	21.88	23.50
3GPP Rel 6	HSDPA Subtest-3	21.48	21.40	21.41	23.00
3GPP Rel 6	HSDPA Subtest-4	21.46	21.36	21.39	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	22.01	21.89	21.98	23.50
3GPP Rel 6	DC-HSDPA Subtest-2	22.00	21.88	21.95	23.50
3GPP Rel 6	DC-HSDPA Subtest-3	21.49	21.36	21.44	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.48	21.33	21.45	23.00
3GPP Rel 6	HSUPA Subtest-1	20.01	19.92	20.00	23.50
3GPP Rel 6	HSUPA Subtest-2	19.98	19.89	19.94	21.50
3GPP Rel 6	HSUPA Subtest-3	21.02	20.90	20.97	22.50
3GPP Rel 6	HSUPA Subtest-4	19.43	19.35	19.52	21.50
3GPP Rel 6	HSUPA Subtest-5	21.00	20.80	20.90	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.19	19.02	19.05	21.00

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 Frequency (MHz)									
1870 1890 1910									
20	QPSK	1	0	22.24	22.27	22.27		24	0
20	QPSK	1	49	22.68	22.51	22.59			
20	QPSK	1	99	22.12	22.21	22.28			
20	QPSK	50	0	21.37	21.45	21.51			
20	QPSK	50	24	21.38	21.42	21.47		23	1
20	QPSK	50	50	21.31	21.44	21.38			
20	QPSK	100	0	21.29	21.44	21.45			
20	16QAM	1	0	21.95	21.93	21.46			
20	16QAM	1	49	21.75	21.71	21.73		23	1
20	16QAM	1	99	21.43	21.52	21.47			
20	16QAM	50	0	20.34	20.41	20.46			
20	16QAM	50	24	20.35	20.41	20.43		22	2
20	16QAM	50	50	20.28	20.48	20.39			
20	16QAM	100	0	20.34	20.43	20.43			
20	64QAM	1	0	20.50	20.55	20.44			
20	64QAM	1	49	20.61	20.60	20.67		22	2
20	64QAM	1	99	20.41	20.38	20.46			
20	64QAM	50	0	19.32	19.40	19.46			
20	64QAM	50	24	19.40	19.38	19.43		21	3
20	64QAM	50	50	19.27	19.40	19.38			
20	64QAM	100	0	19.30	19.43	19.43			
Channel Frequency (MHz)							1867.5 1890 1912.5	Tune-up limit (dBm)	
1867.5 1880 1902.5									
15	QPSK	1	0	22.29	22.35	22.29		24	0
15	QPSK	1	37	22.41	22.44	22.48			
15	QPSK	1	74	22.20	22.29	22.30			
15	QPSK	36	0	21.38	21.44	21.48			
15	QPSK	36	20	21.38	21.48	21.48		23	1
15	QPSK	36	39	21.37	21.44	21.51			
15	QPSK	75	0	21.37	21.45	21.48			
15	16QAM	1	0	21.68	21.53	21.57			
15	16QAM	1	37	21.74	21.69	21.85		23	1
15	16QAM	1	74	21.56	21.51	21.69			
15	16QAM	36	0	20.37	20.43	20.48			
15	16QAM	36	20	20.38	20.44	20.46		22	2
15	16QAM	36	39	20.29	20.37	20.48			
15	16QAM	75	0	20.32	20.43	20.49			
15	64QAM	1	0	20.48	20.58	20.50		22	2
15	64QAM	1	37	20.62	20.78	20.78			
15	64QAM	1	74	20.39	20.47	20.53			
15	64QAM	36	0	19.38	19.42	19.43		21	3
15	64QAM	36	20	19.37	19.45	19.43			
15	64QAM	36	39	19.33	19.42	19.45			
15	64QAM	75	0	19.33	19.39	19.42			
Channel Frequency (MHz)							1855 1890 1905	Tune-up limit (dBm)	
1855 1880 1905									
10	QPSK	1	0	22.38	22.38	22.37		24	0
10	QPSK	1	25	22.40	22.45	22.51			
10	QPSK	1	49	22.23	22.32	22.37			
10	QPSK	25	0	21.39	21.47	21.49			
10	QPSK	25	12	21.41	21.47	21.48		23	1
10	QPSK	25	25	21.37	21.50	21.47			
10	QPSK	50	0	21.41	21.45	21.53			
10	16QAM	1	0	21.74	21.66	21.66			
10	16QAM	1	25	21.74	21.81	21.77		23	1
10	16QAM	1	49	21.61	21.65	21.65			
10	16QAM	25	0	20.45	20.47	20.56			
10	16QAM	25	12	20.41	20.49	20.47		22	2
10	16QAM	25	25	20.44	20.48	20.48			
10	16QAM	50	0	20.42	20.45	20.49			
10	64QAM	1	0	20.59	20.62	20.66		22	2
10	64QAM	1	25	20.72	20.65	20.62			
10	64QAM	1	49	20.51	20.57	20.50			
10	64QAM	25	0	19.39	19.48	19.50		21	3
10	64QAM	25	12	19.41	19.41	19.48			
10	64QAM	25	25	19.42	19.48	19.53			
10	64QAM	50	0	19.42	19.46	19.47			
Channel Frequency (MHz)							1862.5 1890 1917.5	Tune-up limit (dBm)	
1862.5 1880 1907.5									
5	QPSK	1	0	22.29	22.30	22.22		24	0
5	QPSK	1	12	22.45	22.40	22.42			
5	QPSK	1	24	22.24	22.23	22.25			
5	QPSK	12	0	21.35	21.43	21.38		23	1
5	QPSK	12	7	21.40	21.45	21.47			
5	QPSK	12	13	21.36	21.43	21.40			
5	QPSK	25	0	21.35	21.43	21.42			
5	16QAM	1	0	21.62	21.61	21.55		23	1
5	16QAM	1	12	21.60	21.76	21.62			
5	16QAM	1	24	21.57	21.59	21.59			
5	16QAM	12	0	20.36	20.40	20.38		22	2
5	16QAM	12	7	20.45	20.42	20.48			
5	16QAM	12	13	20.37	20.35	20.40			
5	16QAM	25	0	20.43	20.42	20.43			
5	64QAM	1	0	20.42	20.52	20.51		22	2
5	64QAM	1	12	20.65	20.68	20.74			
5	64QAM	1	24	20.52	20.48	20.51			
5	64QAM	12	0	19.42	19.45	19.40		21	3
5	64QAM	12	7	19.42	19.49	19.53			
5	64QAM	12	13	19.40	19.39	19.43			
5	64QAM	25	0	19.37	19.42	19.45			
Channel Frequency (MHz)							1851.5 1890 1918.5	Tune-up limit (dBm)	
1851.5 1880 1908.5									
3	QPSK	1	0	22.36	22.39	22.35		24	0
3	QPSK	1	8	22.32	22.39	22.32			
3	QPSK	1	14	22.37	22.33	22.34			
3	QPSK	8	0	21.38	21.42	21.39		23	1
3	QPSK	8	4	21.41	21.44	21.46			
3	QPSK	8	7	21.35	21.41	21.40			
3	QPSK	15	0	21.34	21.39	21.43			
3	16QAM	1	0	21.72	21.75	21.75		23	1
3	16QAM	1	8	21.67	21.73	21.65			
3	16QAM	1	14	21.73	21.71	21.63			
3	16QAM	8	0	20.46	20.47	20.52		22	2
3	16QAM	8	4	20.49	20.51	20.51			
3	16QAM	8	7	20.46	20.48	20.51			
3	16QAM	15	0	20.42	20.42	20.40			
3	64QAM	1	0	20.57	20.63	20.69		22	2
3	64QAM	1	8	20.54	20.62	20.70			
3	64QAM	1	14	20.57	20.62	20.66			
3	64QAM	8	0	19.48	19.49	19.54		21	3
3	64QAM	8	4	19.47	19.47	19.46			
3	64QAM	8	7	19.49	19.43	19.45			
3	64QAM	15	0	19.40	19.43	19.43			
Channel Frequency (MHz)							1860.7 1890 1919.3	Tune-up limit (dBm)	
1860.7 1880 1909.3									
1.4	QPSK	1	0	22.34	22.34	22.29		24	0
1.4	QPSK	1	3	22.48	22.47	22.46			
1.4	QPSK	1	5	22.30	22.39	22.29			
1.4	QPSK	3	0	22.47	22.45	22.47			
1.4	QPSK	3	1	22.40	22.51	22.43		23	1
1.4	QPSK	3	3	22.44	22.49	22.43			
1.4	QPSK	6	0	21.44	21.49	21.42			
1.4	16QAM	1	0	21.75	21.74	21.55		23	1
1.4	16QAM	1	3	21.92	21.84	21.72			
1.4	16QAM	1	5	21.79	21.56	21.55			
1.4	16QAM	3	0	21.47	21.51	21.38			
1.4	16QAM	3	1	21.51	21.50	21.43		22	2
1.4	16QAM	3	3	21.47	21.42	21.42			
1.4	16QAM	6	0	20.56	20.59	20.52			
1.4	64QAM	1	0	20.58	20.52	20.60		22	2
1.4	64QAM	1	3	20.53	20.62	20.68			
1.4	64QAM	1	5	20.64	20.60	20.55			
1.4	64QAM	3	0	20.52	20.64	20.61			
1.4	64QAM	3	1	20.57	20.72	20.63		21	3
1.4	64QAM	3	3	20.58	20.63	20.59			
1.4	64QAM	6	0	19.49	19.51	19.51			

Band 4 (AWS Band)	
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Band 5 (Cellular Band)												
Part 22B(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)				820	836.5	844						
10	QPSK	1	0	22.68	22.71	22.73	24	0				
10	QPSK	1	25	22.93	22.91	22.89						
10	QPSK	1	49	22.70	22.74	22.72						
10	QPSK	25	0	21.88	21.82	21.88						
10	QPSK	25	12	21.84	21.91	21.90	23	1				
10	QPSK	25	25	21.81	21.96	21.78						
10	QPSK	50	0	21.87	21.92	21.91						
10	16QAM	1	0	21.87	22.03	22.01						
10	16QAM	1	25	22.01	22.27	22.07	23	1				
10	16QAM	1	49	21.94	22.01	21.93						
10	16QAM	25	0	20.81	20.79	20.85						
10	16QAM	25	12	20.80	20.87	20.84						
10	16QAM	25	25	20.75	20.96	20.71	22	2				
10	16QAM	50	0	20.80	20.91	20.81						
10	64QAM	1	0	20.71	20.89	20.95						
10	64QAM	1	25	20.90	21.04	20.98						
10	64QAM	1	49	20.95	20.82	20.94	22	2				
10	64QAM	25	0	19.82	19.83	19.85						
10	64QAM	25	12	19.78	19.89	19.82						
10	64QAM	25	25	19.74	19.93	19.70						
10	64QAM	50	0	19.78	19.89	19.79	21	3				
Channel				20425	20525	20625						
Frequency (MHz)				826.5	836.5	846.5						
5	QPSK	1	0	22.56	22.68	22.69				24	0	
5	QPSK	1	12	22.62	22.90	22.62						
5	QPSK	1	24	22.64	22.60	22.62						
5	QPSK	12	0	21.78	21.78	21.91						
5	QPSK	12	7	21.80	21.88	21.85	23	1				
5	QPSK	12	13	21.73	21.86	21.79						
5	QPSK	25	0	21.73	21.88	21.87						
5	16QAM	1	0	21.79	21.88	21.87						
5	16QAM	1	12	22.11	22.09	22.02	23	1				
5	16QAM	1	24	21.87	21.85	21.91						
5	16QAM	12	0	20.65	20.80	20.85						
5	16QAM	12	7	20.72	20.88	20.81						
5	16QAM	12	13	20.64	20.87	20.70	22	2				
5	16QAM	25	0	20.69	20.87	20.84						
5	64QAM	1	0	20.75	20.78	20.79						
5	64QAM	1	12	20.98	21.03	20.88						
5	64QAM	1	24	20.76	20.79	20.77	22	2				
5	64QAM	12	0	19.73	19.79	19.88						
5	64QAM	12	7	19.81	19.86	19.84						
5	64QAM	12	13	19.71	19.87	19.76						
5	64QAM	25	0	19.73	19.85	19.77	21	3				
Channel				20415	20525	20635						
Frequency (MHz)				825.5	836.5	847.5						
3	QPSK	1	0	22.67	22.77	22.74				24	0	
3	QPSK	1	8	22.71	22.78	22.71						
3	QPSK	1	14	22.68	22.75	22.68						
3	QPSK	8	0	21.75	21.79	21.80						
3	QPSK	8	4	21.81	21.87	21.87	23	1				
3	QPSK	8	7	21.75	21.86	21.80						
3	QPSK	15	0	21.73	21.81	21.82						
3	16QAM	1	0	22.01	22.04	21.96						
3	16QAM	1	8	21.93	21.99	21.97	23	1				
3	16QAM	1	14	21.94	22.01	21.97						
3	16QAM	8	0	20.77	20.87	20.80						
3	16QAM	8	4	20.76	20.92	20.84						
3	16QAM	8	7	20.76	20.86	20.80	22	2				
3	16QAM	15	0	20.74	20.86	20.75						
3	64QAM	1	0	20.89	20.98	20.82						
3	64QAM	1	8	20.82	20.94	20.78						
3	64QAM	1	14	20.86	20.99	20.81	22	2				
3	64QAM	8	0	19.76	19.82	19.76						
3	64QAM	8	4	19.78	19.91	19.83						
3	64QAM	8	7	19.76	19.90	19.78						
3	64QAM	15	0	19.68	19.76	19.78	21	3				
Channel				20407	20525	20643						
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	22.73	22.68	22.68				24	0	
1.4	QPSK	1	3	22.85	22.62	22.81						
1.4	QPSK	1	5	22.76	22.67	22.69						
1.4	QPSK	3	0	22.84	22.83	22.78						
1.4	QPSK	3	1	22.90	22.83	22.88	23	1				
1.4	QPSK	3	3	22.88	22.81	22.77						
1.4	QPSK	6	0	21.91	21.82	21.85						
1.4	16QAM	1	0	21.91	22.04	21.87						
1.4	16QAM	1	3	22.07	22.17	21.93	23	1				
1.4	16QAM	1	5	21.89	21.93	21.93						
1.4	16QAM	3	0	21.79	21.80	21.77						
1.4	16QAM	3	1	21.88	21.85	21.81						
1.4	16QAM	3	3	21.80	21.82	21.79	22	2				
1.4	16QAM	6	0	20.94	20.94	20.85						
1.4	64QAM	1	0	20.89	20.81	20.86						
1.4	64QAM	1	3	20.93	20.93	20.93						
1.4	64QAM	1	5	20.85	20.91	20.80	22	2				
1.4	64QAM	3	0	21.03	20.86	20.85						
1.4	64QAM	3	1	21.00	20.86	20.95						
1.4	64QAM	3	3	20.87	20.91	20.84						
1.4	64QAM	6	0	19.84	19.85	19.77	21	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				20850	21100	21150						
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	22.39	22.44	22.30	24	0				
20	QPSK	1	49	22.44	22.61	22.72						
20	QPSK	1	99	22.25	22.32	22.48						
20	QPSK	50	0	21.31	21.46	21.61						
20	QPSK	50	24	21.36	21.54	21.66	23	1				
20	QPSK	50	50	21.36	21.54	21.63						
20	QPSK	100	0	21.30	21.47	21.63						
20	16QAM	1	0	21.44	21.62	21.63						
20	16QAM	1	49	21.75	21.86	21.60	23	1				
20	16QAM	1	99	21.55	21.74	21.74						
20	16QAM	50	0	20.26	20.46	20.66						
20	16QAM	50	24	20.39	20.56	20.72						
20	16QAM	50	50	20.34	20.54	20.64	22	2				
20	16QAM	100	0	20.30	20.53	20.66						
20	64QAM	1	0	20.26	20.42	20.43						
20	64QAM	1	49	20.68	20.60	20.70						
20	64QAM	1	99	20.45	20.60	20.73	22	2				
20	64QAM	50	0	19.29	19.46	19.63						
20	64QAM	50	24	19.38	19.53	19.66						
20	64QAM	50	50	19.35	19.58	19.68						
20	64QAM	100	0	19.31	19.48	19.63	21	3				
Channel				20825	21100	21375						
Frequency (MHz)				2507.5	2535	2562.5						
15	QPSK	1	0	22.20	22.34	22.39				24	0	
15	QPSK	1	37	22.42	22.57	22.76						
15	QPSK	1	74	22.26	22.40	22.55						
15	QPSK	36	0	21.31	21.49	21.63						
15	QPSK	36	20	21.35	21.56	21.72	23	1				
15	QPSK	36	39	21.35	21.55	21.73						
15	QPSK	75	0	21.33	21.55	21.64						
15	16QAM	1	0	21.40	21.69	21.79						
15	16QAM	1	37	21.68	21.84	21.88	23	1				
15	16QAM	1	74	21.43	21.68	21.81						
15	16QAM	36	0	20.23	20.52	20.64						
15	16QAM	36	20	20.31	20.55	20.70						
15	16QAM	36	39	20.34	20.59	20.67	22	2				
15	16QAM	75	0	20.28	20.51	20.70						
15	64QAM	1	0	20.29	20.46	20.51						
15	64QAM	1	37	20.67	20.81	20.80						
15	64QAM	1	74	20.44	20.70	20.80	22	2				
15	64QAM	36	0	19.33	19.50	19.67						
15	64QAM	36	20	19.36	19.56	19.73						
15	64QAM	36	39	19.36	19.57	19.73						
15	64QAM	75	0	19.27	19.54	19.70	21	3				
Channel				20820	21100	21400						
Frequency (MHz)				2505	2535	2565						
10	QPSK	1	0	22.21	22.35	22.55				24	0	
10	QPSK	1	25	22.34	22.49	22.54						
10	QPSK	1	49	22.22	22.46	22.52						
10	QPSK	25	0	21.34	21.51	21.70						
10	QPSK	25	12	21.33	21.52	21.74	23	1				
10	QPSK	25	25	21.31	21.53	21.71						
10	QPSK	50	0	21.38	21.56	21.71						
10	16QAM	1	0	21.43	21.72	21.85						
10	16QAM	1	25	21.56	21.87	21.85	23	1				
10	16QAM	1	49	21.47	21.75	21.87						
10	16QAM	25	0	20.30	20.54	20.73						
10	16QAM	25	12	20.31	20.57	20.77						
10	16QAM	25	25	20.30	20.56	20.75	22	2				
10	16QAM	50	0	20.37	20.53	20.71						
10	64QAM	1	0	20.45	20.55	20.81						
10	64QAM	1	25	20.41	20.73	20.82						
10	64QAM	1	49	20.32	20.72	20.73	22	2				
10	64QAM	25	0	19.30	19.53	19.72						
10	64QAM	25	12	19.34	19.56	19.68						
10	64QAM	25	25	19.32	19.53	19.76						
10	64QAM	50	0	19.33	19.53	19.76	21	3				
Channel				20775	21100	21452						
Frequency (MHz)				2505.5	2535	2567.5						
5	QPSK	1	0	22.28	22.34	22.46				24	0	
5	QPSK	1	12	22.40	22.60	22.62						
5	QPSK	1	24	22.29	22.39	22.56						
5	QPSK	12	0	21.26	21.51	21.69						
5	QPSK	12	7	21.32	21.55	21.74	23	1				
5	QPSK	12	13	21.30	21.54	21.69						
5	QPSK	25	0	21.28	21.47	21.71						
5	16QAM	1	0	21.42	21.64	21.77						
5	16QAM	1	12	21.61	21.99	21.89	23	1				
5	16QAM	1	24	21.48	21.70	21.83						
5	16QAM	12	0	20.43	20.53	20.69						
5	16QAM	12	7	20.46	20.54	20.75						
5	16QAM	12	13	20.43	20.50	20.70	22	2				
5	16QAM	25	0	20.35	20.50	20.75						
5	64QAM	1	0	20.35	20.53	20.66						
5	64QAM	1	12	20.37	20.69	20.70						
5	64QAM	1	24	20.36	20.64	20.64	22	2				
5	64QAM	12	0	19.27	19.56	19.70						
5	64QAM	12	7	19.31	19.56	19.76						
5	64QAM	12	13	19.29	19.50	19.73						
5	64QAM	25	0	19.27	19.47	19.65	21	3				

Reduced Power Mode for Receive on-UAT

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		524.2	536.4	548.8		524.2	536.4	548.8	
GSM 1 Tx slot		29.31	29.21	29.06	30.29	20.31	20.21	20.06	21.29
GPRS 1 Tx slot		29.29	29.19	29.04	30.29	20.29	20.19	20.04	21.29
GPRS 2 Tx slots		27.42	27.29	27.16	28.00	21.42	21.29	21.16	22.00
GPRS 3 Tx slots		25.44	25.34	25.20	26.00	21.18	21.08	20.94	21.74
GPRS 4 Tx slots		24.34	24.31	24.25	25.00	21.34	21.31	21.25	22.00
EDGE 1 Tx slot		26.77	26.91	26.80	28.00	17.77	17.91	17.80	19.00
EDGE 2 Tx slots		25.59	25.62	25.63	27.00	19.59	19.62	19.63	21.00
EDGE 3 Tx slots		23.39	23.44	23.46	25.00	19.13	19.18	19.20	20.74
EDGE 4 Tx slots		22.27	22.26	22.24	24.00	19.27	19.26	19.24	21.00

GSM1800		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		26.89	26.99	26.98	28.20	17.89	17.99	17.98	19.20
GPRS 1 Tx slot		26.88	26.98	26.96	28.20	17.88	17.98	17.96	19.20
GPRS 2 Tx slots		24.95	25.04	25.03	26.00	18.95	19.04	19.03	20.00
GPRS 3 Tx slots		22.95	23.02	23.03	24.00	18.69	18.76	18.77	19.74
GPRS 4 Tx slots		21.98	21.97	21.95	23.00	18.98	18.97	18.95	20.00
EDGE 1 Tx slot		25.51	25.44	25.46	27.00	16.51	16.44	16.46	18.00
EDGE 2 Tx slots		24.43	24.37	24.41	26.00	18.43	18.37	18.41	20.00
EDGE 3 Tx slots		22.24	22.15	22.21	24.00	17.98	17.89	17.95	19.74
EDGE 4 Tx slots		21.00	21.00	21.02	23.00	18.00	18.00	18.02	20.00

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9490	9638		1312	1413	1513	
Rx Channel		9692	9890	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1762.6	
3GPP Rel 99	AMR 12.2Kbps	17.40	17.36	17.37	19.00	20.21	20.24	20.22	21.00
3GPP Rel 99	RMC 12.2Kbps	17.41	17.38	17.39	19.00	20.23	20.25	20.24	21.00
3GPP Rel 6	HSDPA Subtest-1	17.12	17.21	17.18	18.00	19.16	19.29	19.25	20.50
3GPP Rel 6	HSDPA Subtest-2	16.99	17.11	17.15	18.00	19.20	19.17	19.14	20.50
3GPP Rel 6	HSDPA Subtest-3	16.52	16.61	16.60	17.50	18.70	18.71	18.75	20.00
3GPP Rel 6	HSDPA Subtest-4	16.51	16.59	16.60	17.50	18.70	18.70	18.62	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.98	17.17	17.07	18.00	19.03	19.18	19.08	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	16.79	17.09	17.06	18.00	19.00	19.16	19.12	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.34	16.59	16.60	17.50	18.70	18.62	18.73	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.45	16.56	16.55	17.50	18.62	18.64	18.61	20.00
3GPP Rel 6	HSUPA Subtest-1	15.14	15.19	15.27	16.00	17.26	17.31	17.35	18.50
3GPP Rel 6	HSUPA Subtest-2	15.10	15.16	15.22	16.00	17.20	17.28	17.31	18.50
3GPP Rel 6	HSUPA Subtest-3	16.17	16.22	16.22	17.00	18.19	18.34	18.28	19.50
3GPP Rel 6	HSUPA Subtest-4	14.62	14.79	14.77	16.00	16.72	16.77	16.84	18.50
3GPP Rel 6	HSUPA Subtest-5	16.03	16.23	16.13	18.00	18.20	18.30	18.20	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.73	14.93	15.03	15.50	17.00	16.70	16.90	18.00

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.16	22.06	22.08	23.00
3GPP Rel 99	RMC 12.2Kbps	22.22	22.08	22.11	23.00
3GPP Rel 6	HSUPA Subtest-1	22.12	22.16	22.16	22.50
3GPP Rel 6	HSUPA Subtest-2	22.16	22.11	22.12	22.50
3GPP Rel 6	HSUPA Subtest-3	21.58	21.59	21.62	22.00
3GPP Rel 6	HSUPA Subtest-4	21.66	21.54	21.57	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.94	22.10	22.18	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.10	22.10	22.07	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.57	21.46	21.56	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.51	21.40	21.52	22.00
3GPP Rel 6	HSUPA Subtest-1	20.18	20.15	20.24	22.50
3GPP Rel 6	HSUPA Subtest-2	20.23	20.19	20.17	20.50
3GPP Rel 6	HSUPA Subtest-3	21.00	21.17	21.18	21.50
3GPP Rel 6	HSUPA Subtest-4	19.59	19.56	19.74	20.50
3GPP Rel 6	HSUPA Subtest-5	21.14	21.14	21.04	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.64	19.84	19.84	20.00

Band 2 (1900MHz Band)												
Part 24E												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel				1800	1890	1910						
Frequency (MHz)												
20	QPSK	1	0	17.26	17.31	17.35	19	0				
20	QPSK	1	49	17.48	17.52	17.58						
20	QPSK	1	99	17.15	17.25	17.30						
20	QPSK	50	0	16.32	16.49	16.57						
20	QPSK	50	24	16.40	16.47	16.55	18	1				
20	QPSK	50	50	16.35	16.45	16.45						
20	QPSK	100	0	16.32	16.48	16.51						
20	16QAM	1	0	16.62	16.61	16.65						
20	16QAM	1	49	16.79	16.84	16.89	18	1				
20	16QAM	1	99	16.48	16.58	16.58						
20	16QAM	50	0	15.37	15.51	15.55						
20	16QAM	50	24	15.44	15.46	15.54						
20	16QAM	50	50	15.38	15.45	15.44	17	2				
20	16QAM	100	0	15.36	15.48	15.48						
20	64QAM	1	0	15.48	15.53	15.47						
20	64QAM	1	49	15.65	15.73	15.73						
20	64QAM	1	99	15.36	15.43	15.44	17	2				
20	64QAM	50	0	14.55	14.70	14.72						
20	64QAM	50	24	14.64	14.69	14.74						
20	64QAM	50	50	14.57	14.65	14.63						
20	64QAM	100	0	14.55	14.69	14.70	16	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.31	17.37	17.39	19	0				
15	QPSK	1	37	17.52	17.60	17.65						
15	QPSK	1	74	17.21	17.33	17.38						
15	QPSK	36	0	16.37	16.48	16.54						
15	QPSK	36	20	16.37	16.49	16.53	18	1				
15	QPSK	36	39	16.38	16.45	16.49						
15	QPSK	75	0	16.39	16.48	16.51						
15	16QAM	1	0	16.61	16.66	16.67						
15	16QAM	1	37	16.86	16.86	16.90	18	1				
15	16QAM	1	74	16.55	16.62	16.64						
15	16QAM	36	0	15.37	15.45	15.52						
15	16QAM	36	20	15.38	15.47	15.51						
15	16QAM	36	39	15.39	15.42	15.47	17	2				
15	16QAM	75	0	15.39	15.48	15.51						
15	64QAM	1	0	15.53	15.55	15.60						
15	64QAM	1	37	15.66	15.77	15.82						
15	64QAM	1	74	15.45	15.50	15.52	17	2				
15	64QAM	36	0	14.58	14.70	14.72						
15	64QAM	36	20	14.60	14.71	14.73						
15	64QAM	36	39	14.58	14.65	14.69						
15	64QAM	75	0	14.58	14.67	14.69	16	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.31	17.37	17.39	19	0				
10	QPSK	1	25	17.52	17.60	17.65						
10	QPSK	1	49	17.21	17.33	17.38						
10	QPSK	25	0	16.37	16.48	16.54						
10	QPSK	25	12	16.37	16.49	16.53	18	1				
10	QPSK	25	25	16.38	16.45	16.49						
10	QPSK	50	0	16.39	16.48	16.51						
10	16QAM	1	0	16.61	16.66	16.67						
10	16QAM	1	25	16.86	16.86	16.90	18	1				
10	16QAM	1	49	16.55	16.62	16.64						
10	16QAM	25	0	15.37	15.45	15.52						
10	16QAM	25	12	15.38	15.47	15.51						
10	16QAM	25	25	15.39	15.42	15.47	17	2				
10	16QAM	50	0	15.39	15.48	15.51						
10	64QAM	1	0	15.53	15.55	15.60						
10	64QAM	1	25	15.66	15.77	15.82						
10	64QAM	1	49	15.45	15.50	15.52	17	2				
10	64QAM	25	0	14.58	14.70	14.72						
10	64QAM	25	12	14.60	14.71	14.73						
10	64QAM	25	25	14.58	14.65	14.69						
10	64QAM	50	0	14.58	14.67	14.69	16	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.27	17.36	17.31	19	0				
5	QPSK	1	12	17.54	17.58	17.58						
5	QPSK	1	24	17.20	17.31	17.30						
5	QPSK	12	0	16.38	16.45	16.44						
5	QPSK	12	7	16.41	16.51	16.50	18	1				
5	QPSK	12	13	16.37	16.42	16.43						
5	QPSK	25	0	16.37	16.44	16.46						
5	16QAM	1	0	16.57	16.64	16.59						
5	16QAM	1	12	16.82	16.81	16.80	18	1				
5	16QAM	1	24	16.56	16.58	16.60						
5	16QAM	12	0	15.38	15.45	15.42						
5	16QAM	12	7	15.45	15.48	15.48						
5	16QAM	12	13	15.39	15.43	15.40	17	2				
5	16QAM	25	0	15.40	15.43	15.44						
5	64QAM	1	0	15.47	15.52	15.52						
5	64QAM	1	12	15.75	15.78	15.75						
5	64QAM	1	24	15.44	15.47	15.48	17	2				
5	64QAM	12	0	14.61	14.67	14.65						
5	64QAM	12	7	14.68	14.72	14.72						
5	64QAM	12	13	14.63	14.64	14.65						
5	64QAM	25	0	14.58	14.66	14.65	16	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.34	17.42	17.41	19	0				
3	QPSK	1	8	17.33	17.41	17.42						
3	QPSK	1	14	17.32	17.37	17.42						
3	QPSK	8	0	16.36	16.43	16.46						
3	QPSK	8	4	16.40	16.46	16.49	18	1				
3	QPSK	8	7	16.34	16.42	16.47						
3	QPSK	15	0	16.34	16.42	16.44						
3	16QAM	1	0	16.68	16.72	16.65						
3	16QAM	1	8	16.64	16.68	16.69	18	1				
3	16QAM	1	14	16.60	16.67	16.69						
3	16QAM	8	0	15.45	15.50	15.51						
3	16QAM	8	4	15.48	15.52	15.53						
3	16QAM	8	7	15.43	15.50	15.49	17	2				
3	16QAM	15	0	15.39	15.45	15.44						
3	64QAM	1	0	15.54	15.58	15.56						
3	64QAM	1	8	15.54	15.60	15.60						
3	64QAM	1	14	15.54	15.58	15.56	17	2				
3	64QAM	8	0	14.62	14.71	14.69						
3	64QAM	8	4	14.66	14.72	14.72						
3	64QAM	8	7	14.62	14.70	14.67						
3	64QAM	15	0	14.56	14.64	14.63	16	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.33	17.37	17.38	19	0				
1.4	QPSK	1	3	17.43	17.51	17.52						
1.4	QPSK	1	5	17.32	17.39	17.39						
1.4	QPSK	3	0	17.41	17.50	17.51						
1.4	QPSK	3	1	17.48	17.53	17.55	18	1				
1.4	QPSK	3	3	17.43	17.48	17.49						
1.4	QPSK	6	0	16.38	16.48	16.51						
1.4	16QAM	1	0	16.63	16.69	16.65						
1.4	16QAM	1	3	16.75	16.80	16.77	18	1				
1.4	16QAM	1	5	16.65	16.69	16.68						
1.4	16QAM	3	0	16.44	16.48	16.46						
1.4	16QAM	3	1	16.50	16.55	16.53						
1.4	16QAM	3	3	16.48	16.48	16.47	17	2				
1.4	16QAM	6	0	15.54	15.56	15.52						
1.4	64QAM	1	0	15.52	15.54	15.53						
1.4	64QAM	1	3	15.66	15.64	15.64						
1.4	64QAM	1	5	15.55	15.58	15.52	17	2				
1.4	64QAM	3	0	15.76	15.76	15.74						
1.4	64QAM	3	1	15.80	15.82	15.81						
1.4	64QAM	3	3	15.77	15.76	15.77						
1.4	64QAM	6	0	14.64	14.68	14.70	16	3				

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	Time-up limit (dBm)	MPR (dB)		
Channel				20405	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	22.00	22.04	22.08	23	0		
10	QPSK	1	25	22.13	22.19	22.22				
10	QPSK	1	49	22.04	22.10	22.07				
10	QPSK	25	0	21.18	21.12	21.17	22	1		
10	QPSK	25	12	21.13	21.18	21.19				
10	QPSK	25	25	21.09	21.20	21.14				
10	QPSK	50	0	21.15	21.15	20.76	22	1		
10	16QAM	1	0	21.19	21.34	21.35				
10	16QAM	1	25	21.39	21.48	21.40				
10	16QAM	1	49	21.06	21.32	21.36	21	2		
10	16QAM	25	0	20.13	20.10	20.23				
10	16QAM	25	12	20.11	20.17	20.17				
10	16QAM	25	25	20.09	20.19	20.07	21	2		
10	16QAM	50	0	20.11	20.14	20.18				
10	64QAM	1	0	20.11	20.20	20.24				
10	64QAM	1	25	20.30	20.36	20.33	21	2		
10	64QAM	1	49	20.22	20.22	20.26				
10	64QAM	25	0	19.15	19.10	19.27				
10	64QAM	25	12	19.12	19.19	19.19	20	3		
10	64QAM	25	25	19.09	19.21	19.08				
10	64QAM	50	0	19.13	19.15	19.17				
Channel				20425	20525	20625	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.40	21.95	21.93	23	0		
5	QPSK	1	12	21.63	22.19	22.21				
5	QPSK	1	24	21.41	21.92	21.91				
5	QPSK	12	0	20.58	21.06	21.13	22	1		
5	QPSK	12	7	20.57	21.13	21.12				
5	QPSK	12	13	20.49	21.08	21.08				
5	QPSK	25	0	20.49	21.08	21.14	22	1		
5	16QAM	1	0	20.65	21.21	21.13				
5	16QAM	1	12	21.28	21.50	21.39				
5	16QAM	1	24	21.11	21.16	21.19	21	2		
5	16QAM	12	0	19.97	20.03	20.07				
5	16QAM	12	7	19.98	20.08	20.09				
5	16QAM	12	13	19.89	20.08	20.04	21	2		
5	16QAM	25	0	19.94	20.09	20.11				
5	64QAM	1	0	20.02	20.13	20.04				
5	64QAM	1	12	20.29	20.37	20.34	21	2		
5	64QAM	1	24	20.04	20.07	20.10				
5	64QAM	12	0	19.02	19.08	19.13				
5	64QAM	12	7	19.04	19.16	19.15	20	3		
5	64QAM	12	13	18.95	19.09	19.08				
5	64QAM	25	0	18.97	19.11	19.11				
Channel				20415	20525	20635	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.98	22.06	22.04	23	0		
3	QPSK	1	8	21.96	22.04	22.04				
3	QPSK	1	14	21.99	22.02	22.03				
3	QPSK	8	0	21.01	21.09	21.11	22	1		
3	QPSK	8	4	21.05	21.13	21.14				
3	QPSK	8	7	20.99	21.07	21.09				
3	QPSK	15	0	21.00	21.04	21.10	22	1		
3	16QAM	1	0	21.23	21.36	21.27				
3	16QAM	1	8	21.18	21.35	21.28				
3	16QAM	1	14	21.19	21.30	21.29	21	2		
3	16QAM	8	0	20.05	20.13	20.13				
3	16QAM	8	4	20.06	20.15	20.14				
3	16QAM	8	7	20.02	20.12	20.12	21	2		
3	16QAM	15	0	20.01	20.07	20.09				
3	64QAM	1	0	20.07	20.23	20.19				
3	64QAM	1	8	20.11	20.23	20.22	21	2		
3	64QAM	1	14	20.10	20.20	20.21				
3	64QAM	8	0	19.05	19.13	19.14				
3	64QAM	8	4	19.07	19.17	19.14	20	3		
3	64QAM	8	7	19.02	19.12	19.12				
3	64QAM	15	0	18.99	19.06	19.06				
Channel				20407	20525	20643	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.82	21.97	21.97	23	0		
1.4	QPSK	1	3	22.06	22.11	22.09				
1.4	QPSK	1	6	21.92	22.00	21.97				
1.4	QPSK	3	0	22.02	22.08	22.05	22	1		
1.4	QPSK	3	1	22.08	22.13	22.14				
1.4	QPSK	3	3	22.02	22.09	22.08				
1.4	16QAM	1	0	21.13	21.27	21.22	22	1		
1.4	16QAM	1	3	21.21	21.36	21.34				
1.4	16QAM	1	6	21.11	21.28	21.25				
1.4	16QAM	3	0	20.97	21.09	21.07	21	2		
1.4	16QAM	3	1	21.01	21.14	21.13				
1.4	16QAM	3	3	20.97	21.08	21.06				
1.4	16QAM	6	0	20.09	20.14	20.15	21	2		
1.4	64QAM	1	0	20.07	20.20	20.14				
1.4	64QAM	1	3	20.19	20.28	20.24				
1.4	64QAM	1	5	20.05	20.17	20.16	21	2		
1.4	64QAM	3	0	20.09	20.20	20.17				
1.4	64QAM	3	1	20.13	20.24	20.24				
1.4	64QAM	3	3	20.10	20.18	20.18	20	3		
1.4	64QAM	6	0	19.02	19.08	19.06				

Band 7 (200MHz Band)									
Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.03	16.12	16.14	17.5	0	
20	QPSK	1	49	16.25	16.36	16.38			
20	QPSK	1	99	16.05	16.20	16.29			
20	QPSK	50	0	15.09	15.28	15.32	16.5	1	
20	QPSK	50	24	15.19	15.33	15.39			
20	QPSK	50	50	15.16	15.31	15.33			
20	QPSK	100	0	15.13	15.30	15.35	16.5	1	
20	16QAM	1	0	15.36	15.49	15.52			
20	16QAM	1	49	15.58	15.79	15.83			
20	16QAM	1	99	15.45	15.58	15.64	15.5	2	
20	16QAM	50	0	14.09	14.31	14.32			
20	16QAM	50	24	14.20	14.33	14.38			
20	16QAM	50	50	14.20	14.33	14.36	15.5	2	
20	16QAM	100	0	14.12	14.32	14.35			
20	64QAM	1	0	14.15	14.33	14.27			
20	64QAM	1	49	14.40	14.58	14.61	15.5	2	
20	64QAM	1	99	14.10	14.44	14.43			
20	64QAM	50	0	13.09	13.30	13.30			
20	64QAM	50	24	13.18	13.33	13.40	14.5	3	
20	64QAM	50	50	13.19	13.35	13.39			
20	64QAM	100	0	13.14	13.31	13.34			
Channel				20825	21100	21375	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.09	16.22	16.27	17.5	0	
15	QPSK	1	37	16.33	16.49	16.57			
15	QPSK	1	74	16.07	16.30	16.33			
15	QPSK	36	0	15.17	15.33	15.39	16.5	1	
15	QPSK	36	20	15.18	15.37	15.43			
15	QPSK	36	39	15.19	15.36	15.43			
15	QPSK	75	0	15.19	15.33	15.39	16.5	1	
15	16QAM	1	0	15.46	15.58	15.59			
15	16QAM	1	37	15.68	15.84	15.91			
15	16QAM	1	74	15.43	15.62	15.65	15.5	2	
15	16QAM	36	0	14.11	14.31	14.35			
15	16QAM	36	20	14.17	14.34	14.40			
15	16QAM	36	39	14.17	14.36	14.40	15.5	2	
15	16QAM	75	0	14.18	14.33	14.39			
15	64QAM	1	0	14.42	14.62	14.66			
15	64QAM	1	37	14.49	14.66	14.73	15.5	2	
15	64QAM	1	74	14.22	14.46	14.52			
15	64QAM	36	0	13.15	13.33	13.36			
15	64QAM	36	20	13.18	13.34	13.40	14.5	3	
15	64QAM	36	39	13.18	13.36	13.40			
15	64QAM	75	0	13.15	13.34	13.37			
Channel				20810	21100	21400	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.07	16.23	16.27	17.5	0	
10	QPSK	1	25	16.15	16.36	16.44			
10	QPSK	1	49	16.09	16.30	16.36			
10	QPSK	25	0	15.15	15.31	15.41	16.5	1	
10	QPSK	25	12	15.13	15.32	15.38			
10	QPSK	25	25	15.14	15.33	15.38			
10	QPSK	50	0	15.14	15.33	15.37	16.5	1	
10	16QAM	1	0	15.47	15.61	15.63			
10	16QAM	1	25	15.62	15.75	15.77			
10	16QAM	1	49	15.39	15.68	15.70	15.5	2	
10	16QAM	25	0	14.15	14.35	14.38			
10	16QAM	25	12	14.14	14.34	14.39			
10	16QAM	25	25	14.16	14.35	14.40	15.5	2	
10	16QAM	50	0	14.15	14.34	14.38			
10	64QAM	1	0	14.30	14.42	14.50			
10	64QAM	1	25	14.32	14.55	14.66	14.5	3	
10	64QAM	1	49	14.20	14.45	14.56			
10	64QAM	25	0	13.16	13.33	13.41			
10	64QAM	25	12	13.17	13.34	13.38	14.5	3	
10	64QAM	25	25	13.15	13.35	13.41			
10	64QAM	50	0	13.14	13.34	13.38			
Channel				20775	21100	21425	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.98	16.15	16.21	17.5	0	
5	QPSK	1	12	16.23	16.46	16.51			
5	QPSK	1	24	16.03	16.18	16.24			
5	QPSK	12	0	15.07	15.28	15.34	16.5	1	
5	QPSK	12	7	15.15	15.34	15.41			
5	QPSK	12	13	15.10	15.30	15.37			
5	QPSK	25	0	15.09	15.28	15.36	16.5	1	
5	16QAM	1	0	15.31	15.52	15.56			
5	16QAM	1	12	15.58	15.89	15.95			
5	16QAM	1	24	15.28	15.56	15.62	15.5	2	
5	16QAM	12	0	14.07	14.28	14.36			
5	16QAM	12	7	14.17	14.35	14.40			
5	16QAM	12	13	14.09	14.30	14.35	14.5	2	
5	16QAM	25	0	14.12	14.29	14.35			
5	64QAM	1	0	14.17	14.38	14.40			
5	64QAM	1	12	14.46	14.69	14.72	15.5	2	
5	64QAM	1	24	14.15	14.36	14.43			
5	64QAM	12	0	13.10	13.30	13.34			
5	64QAM	12	7	13.18	13.38	13.43	14.5	3	
5	64QAM	12	13	13.12	13.31	13.40			
5	64QAM	25	0	13.10	13.29	13.35			

Reduced Power Mode for Receive off/Hotspot on-UAT

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				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.10	19.18	19.23	20.5	0	
20	QPSK	1	49	19.40	19.50	19.51			
20	QPSK	1	99	19.12	19.27	19.30			
20	QPSK	50	0	18.20	18.30	18.36			
20	QPSK	50	24	18.24	18.35	18.42	19.5	1	
20	QPSK	50	50	18.22	18.34	18.40			
20	QPSK	100	0	18.23	18.30	18.37			
20	16QAM	1	0	18.47	18.56	18.60			
20	16QAM	1	49	18.72	18.82	18.91	19.5	1	
20	16QAM	1	99	18.51	18.63	18.67			
20	16QAM	50	0	17.22	17.32	17.39			
20	16QAM	50	24	17.25	17.37	17.40			
20	16QAM	50	50	17.24	17.35	17.40	18.5	2	
20	16QAM	100	0	17.25	17.34	17.42			
20	64QAM	1	0	17.36	17.45	17.49			
20	64QAM	1	49	17.66	17.77	17.76			
20	64QAM	1	99	17.35	17.49	17.52	18.5	2	
20	64QAM	50	0	16.26	16.38	16.42			
20	64QAM	50	24	16.29	16.42	16.46			
20	64QAM	50	50	16.29	16.42	16.47			
20	64QAM	100	0	16.29	16.38	16.43	17.5	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.06	19.07	19.13		20.5	
15	QPSK	1	37	19.32	19.37	19.43			
15	QPSK	1	74	19.12	19.19	19.27			
15	QPSK	36	0	18.15	18.25	18.31			
15	QPSK	36	20	18.26	18.33	18.37	19.5	1	
15	QPSK	36	39	18.25	18.30	18.35			
15	QPSK	75	0	18.20	18.30	18.36			
15	16QAM	1	0	18.40	18.48	18.50			
15	16QAM	1	37	18.65	18.82	18.83	19.5	1	
15	16QAM	1	74	18.47	18.61	18.65			
15	16QAM	36	0	17.18	17.32	17.36			
15	16QAM	36	20	17.28	17.36	17.43			
15	16QAM	36	39	17.27	17.36	17.40	18.5	2	
15	16QAM	75	0	17.23	17.34	17.38			
15	64QAM	1	0	17.34	17.36	17.35			
15	64QAM	1	37	17.51	17.65	17.68			
15	64QAM	1	74	17.34	17.40	17.51	17.5	3	
15	64QAM	36	0	16.21	16.33	16.40			
15	64QAM	36	20	16.31	16.41	16.45			
15	64QAM	36	39	16.32	16.38	16.43			
15	64QAM	75	0	16.26	16.40	16.41	Tune-up limit (dBm)	MPR (dB)	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.13	19.21	19.26		20.5	
10	QPSK	1	25	19.20	19.33	19.40			
10	QPSK	1	49	19.11	19.26	19.32			
10	QPSK	25	0	18.21	18.31	18.36			
10	QPSK	25	12	18.21	18.32	18.37	19.5	1	
10	QPSK	25	25	18.21	18.35	18.40			
10	QPSK	50	0	18.22	18.32	18.39			
10	16QAM	1	0	18.50	18.60	18.67			
10	16QAM	1	25	18.56	18.81	18.79	19.5	1	
10	16QAM	1	49	18.45	18.68	18.67			
10	16QAM	25	0	17.22	17.37	17.42			
10	16QAM	25	12	17.24	17.37	17.43			
10	16QAM	25	25	17.24	17.39	17.44	18.5	2	
10	16QAM	50	0	17.25	17.35	17.42			
10	64QAM	1	0	17.35	17.46	17.52			
10	64QAM	1	25	17.41	17.63	17.74			
10	64QAM	1	49	17.37	17.54	17.60	17.5	3	
10	64QAM	25	0	16.29	16.40	16.46			
10	64QAM	25	12	16.27	16.41	16.44			
10	64QAM	25	25	16.30	16.40	16.47			
10	64QAM	50	0	16.27	16.39	16.46	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.03	19.12	19.19		20.5	
5	QPSK	1	12	19.23	19.36	19.47			
5	QPSK	1	24	18.96	19.13	19.21			
5	QPSK	12	0	18.12	18.26	18.34			
5	QPSK	12	7	18.21	18.33	18.39	19.5	1	
5	QPSK	12	13	18.13	18.28	18.37			
5	QPSK	25	0	18.16	18.26	18.34			
5	16QAM	1	0	18.35	18.53	18.53			
5	16QAM	1	12	18.63	18.84	18.78	19.5	1	
5	16QAM	1	24	18.29	18.57	18.57			
5	16QAM	12	0	17.16	17.29	17.35			
5	16QAM	12	7	17.24	17.38	17.42			
5	16QAM	12	13	17.15	17.32	17.39	18.5	2	
5	16QAM	25	0	17.20	17.31	17.37			
5	64QAM	1	0	17.30	17.38	17.41			
5	64QAM	1	12	17.53	17.72	17.73			
5	64QAM	1	24	17.21	17.45	17.46	17.5	3	
5	64QAM	12	0	16.22	16.37	16.44			
5	64QAM	12	7	16.29	16.41	16.48			
5	64QAM	12	13	16.23	16.37	16.44			
5	64QAM	25	0	16.22	16.34	16.40	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			

Reduced Power Mode for Receive off/Hotspot on-LAT

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		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 12.2Kbps	22.02	21.96	22.05	23.50	21.63	21.68	21.62	22.50
3GPP Rel 99	RMC 12.2Kbps	22.08	22.00	22.06	23.50	21.65	21.73	21.66	22.50
3GPP Rel 6	HSDPA Subtest-1	21.07	21.19	21.18	22.50	20.49	20.56	20.57	22.00
3GPP Rel 6	HSDPA Subtest-2	20.94	21.08	21.11	22.50	20.44	20.51	20.46	22.00
3GPP Rel 6	HSDPA Subtest-3	20.49	20.61	20.55	22.00	19.98	20.01	20.00	21.50
3GPP Rel 6	HSDPA Subtest-4	20.47	20.52	20.58	22.00	20.03	19.96	19.88	21.50
3GPP Rel 8	DCHSDPA Subtest-1	20.97	21.08	21.13	22.50	20.40	20.46	20.50	22.00
3GPP Rel 8	DCHSDPA Subtest-2	20.97	21.01	20.97	22.50	20.28	20.35	20.36	22.00
3GPP Rel 8	DCHSDPA Subtest-3	20.45	20.48	20.57	22.00	19.90	19.90	19.93	21.50
3GPP Rel 8	DCHSDPA Subtest-4	20.44	20.42	20.42	22.00	19.96	19.80	19.73	21.50
3GPP Rel 6	HSUPA Subtest-1	19.16	19.22	19.28	20.50	18.49	18.63	18.59	20.00
3GPP Rel 6	HSUPA Subtest-2	19.15	18.64	19.19	20.50	18.53	18.56	18.55	20.00
3GPP Rel 6	HSUPA Subtest-3	20.14	20.17	20.25	21.50	19.46	19.54	19.58	21.00
3GPP Rel 6	HSUPA Subtest-4	18.60	18.68	18.76	20.50	18.06	18.10	18.05	20.00
3GPP Rel 6	HSUPA Subtest-5	20.04	20.14	20.14	21.00	19.40	19.50	19.50	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.86	18.91	18.89	20.00	18.16	18.23	18.11	19.50

Band 4 (AWS Band)										
Part 2.12 (copy on channel required)										
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq.	Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	21.25	21.39	21.41	22.5	0		
20	QPSK	1	49	21.42	21.70	21.59				
20	QPSK	1	99	21.19	21.32	21.34				
20	QPSK	50	0	20.38	20.57	20.55				
20	QPSK	50	24	20.41	20.56	20.53	21.5	1		
20	QPSK	50	50	20.34	20.53	20.43				
20	QPSK	100	0	20.36	20.53	20.49				
20	16QAM	1	0	20.63	20.84	20.74				
20	16QAM	1	49	20.76	21.02	20.90	21.5	1		
20	16QAM	1	99	20.63	20.68	20.70				
20	16QAM	50	0	19.41	19.59	19.54				
20	16QAM	50	24	19.43	19.59	19.50				
20	16QAM	50	50	19.39	19.57	19.43	20.5	2		
20	16QAM	100	0	19.41	19.59	19.52				
20	64QAM	1	0	19.61	19.71	19.66				
20	64QAM	1	49	19.77	19.92	19.80				
20	64QAM	1	99	19.57	19.59	19.61	20.5	2		
20	64QAM	50	0	18.43	18.63	18.60				
20	64QAM	50	24	18.48	18.62	18.57				
20	64QAM	50	50	18.40	18.59	18.49				
20	64QAM	100	0	18.43	18.58	18.53	19.5	3		
Channel				20025	20175	20325				
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	21.41	21.47	21.48	22.5	0		
15	QPSK	1	37	21.57	21.66	21.65				
15	QPSK	1	74	21.29	21.35	21.40				
15	QPSK	36	0	20.53	20.87	20.81				
15	QPSK	36	20	20.58	20.63	20.64	21.5	1		
15	QPSK	36	39	20.43	20.66	20.44				
15	QPSK	75	0	20.51	20.68	20.53				
15	16QAM	1	0	20.76	20.92	20.87				
15	16QAM	1	37	20.94	21.07	20.89	21.5	1		
15	16QAM	1	74	20.72	20.65	20.76				
15	16QAM	36	0	19.56	19.73	19.64				
15	16QAM	36	20	19.61	19.71	19.65				
15	16QAM	36	39	19.47	19.70	19.47	20.5	2		
15	16QAM	75	0	19.54	19.72	19.56				
15	64QAM	1	0	19.63	19.77	19.82				
15	64QAM	1	37	19.85	19.95	19.88				
15	64QAM	1	74	19.69	19.56	19.65	20.5	2		
15	64QAM	36	0	18.55	18.74	18.67				
15	64QAM	36	20	18.64	18.70	18.67				
15	64QAM	36	39	18.48	18.69	18.49				
15	64QAM	75	0	18.54	18.73	18.61	19.5	3		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	21.40	21.54	21.55	22.5	0		
10	QPSK	1	25	21.49	21.66	21.61				
10	QPSK	1	49	21.33	21.49	21.48				
10	QPSK	25	0	20.44	20.66	20.71				
10	QPSK	25	12	20.51	20.64	20.65	21.5	1		
10	QPSK	25	25	20.48	20.68	20.51				
10	QPSK	50	0	20.49	20.66	20.63				
10	16QAM	1	0	20.78	20.96	20.84				
10	16QAM	1	25	20.83	21.08	20.96	21.5	1		
10	16QAM	1	49	20.79	20.89	20.86				
10	16QAM	25	0	19.52	19.75	19.69				
10	16QAM	25	12	19.58	19.72	19.66				
10	16QAM	25	25	19.55	19.75	19.55	20.5	2		
10	16QAM	50	0	19.54	19.74	19.65				
10	64QAM	1	0	19.71	19.83	19.75				
10	64QAM	1	25	19.63	19.97	19.86				
10	64QAM	1	49	19.65	19.82	19.76	20.5	2		
10	64QAM	25	0	18.54	18.76	18.75				
10	64QAM	25	12	18.57	18.71	18.69				
10	64QAM	25	25	18.58	18.73	18.58				
10	64QAM	50	0	18.56	18.71	18.68	19.5	3		
Channel				19975	20175	20375				
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	21.28	21.42	21.38	22.5	0		
5	QPSK	1	12	21.45	21.67	21.63				
5	QPSK	1	24	21.24	21.38	21.37				
5	QPSK	12	0	20.40	20.56	20.57				
5	QPSK	12	7	20.51	20.63	20.56	21.5	1		
5	QPSK	12	13	20.41	20.59	20.44				
5	QPSK	25	0	20.47	20.57	20.50				
5	16QAM	1	0	20.63	20.86	20.73				
5	16QAM	1	12	20.89	21.11	20.96	21.5	1		
5	16QAM	1	24	20.61	20.84	20.78				
5	16QAM	12	0	19.44	19.63	19.59				
5	16QAM	12	7	19.57	19.71	19.60				
5	16QAM	12	13	19.48	19.66	19.49	20.5	2		
5	16QAM	25	0	19.53	19.65	19.55				
5	64QAM	1	0	19.61	19.77	19.63				
5	64QAM	1	12	19.79	19.95	19.86				
5	64QAM	1	24	19.53	19.72	19.62	20.5	2		
5	64QAM	12	0	18.54	18.65	18.65				
5	64QAM	12	7	18.64	18.75	18.66				
5	64QAM	12	13	18.54	18.68	18.58				
5	64QAM	25	0	18.54	18.64	18.57	19.5	3		
Channel				19965	20175	20385				
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	21.37	21.51	21.47	22.5	0		
3	QPSK	1	8	21.34	21.51	21.46				
3	QPSK	1	14	21.35	21.50	21.46				
3	QPSK	8	0	20.41	20.59	20.50				
3	QPSK	8	4	20.44	20.60	20.51	21.5	1		
3	QPSK	8	7	20.42	20.57	20.50				
3	QPSK	15	0	20.44	20.56	20.51				
3	16QAM	1	0	20.72	20.88	20.83				
3	16QAM	1	8	20.71	20.90	20.84	21.5	1		
3	16QAM	1	14	20.71	20.88	20.83				
3	16QAM	8	0	19.54	19.72	19.62				
3	16QAM	8	4	19.59	19.74	19.64				
3	16QAM	8	7	19.56	19.68	19.61	20.5	2		
3	16QAM	15	0	19.50	19.64	19.57				
3	64QAM	1	0	19.68	19.82	19.73				
3	64QAM	1	8	19.85	19.87	19.74				
3	64QAM	1	14	19.84	19.87	19.75	20.5	2		
3	64QAM	8	0	18.60	18.72	18.65				
3	64QAM	8	4	18.60	18.73	18.68				
3	64QAM	8	7	18.59	18.67	18.63				
3	64QAM	15	0	18.53	18.63	18.58	19.5	3		
Channel				19957	20175	20393				
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	21.30	21.50	21.43	22.5	0		
1.4	QPSK	1	3	21.41	21.62	21.53				
1.4	QPSK	1	5	21.34	21.54	21.44				
1.4	QPSK	3	0	21.41	21.60	21.49				
1.4	QPSK	3	1	21.49	21.60	21.50	21.5	1		
1.4	QPSK	3	3	21.43	21.58	21.54				
1.4	QPSK	6	0	20.44	20.61	20.52				
1.4	16QAM	1	0	20.64	20.89	20.79				
1.4	16QAM	1	3	20.78	20.96	20.90	21.5	1		
1.4	16QAM	3	0	20.48	20.67	20.54				
1.4	16QAM	3	1	20.53	20.70	20.59				
1.4	16QAM	3	3	20.45	20.64	20.57				
1.4	16QAM	6	0	19.61	19.79	19.63	20.5	2		
1.4	64QAM	1	0	19.60	19.80	19.74				
1.4	64QAM	1	3	19.70	19.81	19.72				
1.4	64QAM	1	5	19.67	19.81	19.74				
1.4	64QAM	3	0	19.63	19.82	19.71	20.5	2		
1.4	64QAM	3	1	19.69	19.84	19.70				
1.4	64QAM	3	3	19.64	19.80	19.68				
1.4	64QAM	6	0	18.54	18.69	18.58				

Full Power Mode for UAT/LAT 2CA DL

Reduced Power Mode for Receive off-UAT 2CA DL

Configure	CA List	PCC							SCC				Power		
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA	
		Band	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	(dBm)	(dBm)	
				(MHz)				Offset			(MHz)		(dBm)	(dBm)	
Inter-Band	CA_2A-7A	Band 7	20M	2560	21350	QPSK	1	49	Band 2	20M	1960	900	19.38	19.51	
	CA_4A-7A	Band 7	20M	2560	21350	QPSK	1	49	Band 4	20M	2132.5	2175	19.46	19.51	
	CA_5A-7A	Band 7	20M	2560	21350	QPSK	1	49	Band 5	10M	881.5	2525	19.48	19.51	
	CA_7B	Band 7	15M	2562.5	21375	QPSK	1	49	Band 7	5M	2678.2	3332	19.43	19.51	
Intra-Band	Contiguous	CA_7C	Band 7	20M	2560	21350	QPSK	1	49	Band 7	20M	2660.2	3152	19.40	19.51
		CA_7A-7A	Band 7	20M	2560	21350	QPSK	1	49	Band 7	5M	2622.5	2775	19.47	19.51

Reduced Power Mode for Receive off-LAT

2CA DL

WLAN/Bluetooth Power

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.30	16.00	100.00
		6	2437	14.30	16.00	
		11	2462	14.40	16.00	
	802.11g 6Mbps	1	2412	13.90	15.50	100.00
		6	2437	14.00	15.50	
		11	2462	14.10	15.50	
	802.11n-HT20 MCS0	1	2412	13.40	15.00	100.00
		6	2437	13.50	15.00	
		11	2462	13.40	15.00	

5GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.05	18.50	100.00
		40	5200	18.21	19.50	
		44	5220	18.33	19.50	
		48	5240	18.41	19.50	
	802.11n-HT20 MCS0	36	5180	16.91	18.50	100.00
		40	5200	18.01	19.50	
		44	5220	18.06	19.50	
		48	5240	18.25	19.50	
	802.11n-HT40 MCS0	38	5190	15.89	17.00	100.00
		46	5230	16.33	17.50	
	802.11ac-VHT20 MCS0	36	5180	16.82	18.50	100.00
		40	5200	17.91	19.50	
		44	5220	17.98	19.50	
		48	5240	18.18	19.50	
	802.11ac-VHT40 MCS0	38	5190	15.80	17.00	100.00
		46	5230	16.25	17.50	
	802.11ac-VHT80 MCS0	42	5210	13.33	14.50	100.00

5GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	18.57	20.00	100.00
		56	5280	18.54	20.00	
		60	5300	18.51	20.00	
		64	5320	18.01	19.50	
	802.11n-HT20 MCS0	52	5260	18.26	19.50	100.00
		56	5280	18.25	19.50	
		60	5300	18.21	19.50	
		64	5320	17.78	19.00	
	802.11n-HT40 MCS0	54	5270	16.23	17.50	100.00
		62	5310	15.94	17.00	
	802.11ac-VHT20 MCS0	52	5260	18.18	19.50	100.00
		56	5280	18.15	19.50	
		60	5300	18.13	19.50	
		64	5320	17.71	19.00	
	802.11ac-VHT40 MCS0	54	5270	16.16	17.50	100.00
		62	5310	15.81	17.00	
	802.11ac-VHT80 MCS0	58	5290	13.36	14.50	100.00

5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	18.30	20.00	100.00
		116	5580	18.45	20.00	
		132	5660	18.41	20.00	
		140	5700	18.39	20.00	
		144	5720	18.32	20.00	
	802.11n-HT20 MCS0	100	5500	18.26	19.50	100.00
		116	5580	18.34	19.50	
		132	5660	18.23	19.50	
		140	5700	18.21	19.50	
		144	5720	18.25	19.50	
	802.11n-HT40 MCS0	102	5510	16.11	17.50	100.00
		110	5550	16.24	17.50	
		134	5670	16.15	17.50	
		142	5710	16.16	17.50	
	802.11ac-VHT20 MCS0	100	5500	18.18	19.50	100.00
		116	5580	18.27	19.50	
		132	5660	18.19	19.50	
		140	5700	18.13	19.50	
		144	5720	18.18	19.50	
	802.11ac-VHT40 MCS0	102	5510	16.03	17.50	100.00
		110	5550	16.17	17.50	
		134	5670	16.07	17.50	
		142	5710	16.09	17.50	
	802.11ac-VHT80 MCS0	108	5530	13.16	14.50	100.00
		138	5690	13.11	14.50	

5GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	15.05	16.50	100.00
		157	5785	15.12	16.50	
		165	5825	14.83	16.50	
	802.11n-HT20 MCS0	149	5745	15.08	16.50	100.00
		157	5785	14.91	16.50	
		165	5825	15.00	16.50	
	802.11n-HT40 MCS0	151	5755	13.35	14.50	100.00
		159	5795	13.43	14.50	
	802.11ac-VHT20 MCS0	149	5745	15.00	16.50	100.00
		157	5785	14.83	16.50	
		165	5825	14.92	16.50	
	802.11ac-VHT40 MCS0	151	5755	13.30	14.50	100.00
		159	5795	13.36	14.50	
	802.11ac-VHT80 MCS0	155	5775	10.33	11.50	100.00

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	10.00	9.90	9.80	8.00	7.20	7.10	8.00	7.20	7.10	11
	CH 39	2441	9.90	9.90	9.70	8.60	7.70	7.60	8.10	7.30	7.20	
	CH 75	2480	9.90	9.80	9.70	8.10	6.90	6.80	8.10	7.40	7.30	

Mode	Channel	Frequency (MHz)	Average power (dbm)
			GFSK
LE	CH 00	2402	-2.50
	CH 19	2440	-1.60
	CH 39	2480	-3.30
Tune-up Limit			0

Mode	Channel	Frequency (MHz)	Average power (dbm)
			2Mbps
V5.0 LE	CH 00	2402	-2.50
	CH 19	2440	-1.60
	CH 39	2480	-3.20
Tune-up Limit			0