10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6 %
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9,23	± 9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.02	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.00	± 9.6 %
10200	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10270	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10270	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10277	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10270	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10273	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10291	AAB	CDMA2000, RC3, SO33, Full Rate	CDMA2000	3.39	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000 CDMA2000	12.49	±9.6 %
10295	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.72	$\pm 9.6\%$ $\pm 9.6\%$
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	$\pm 9.6\%$ $\pm 9.6\%$
10233				ບ.ວອ	

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	±9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10305	ΑΑΑ	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	± 9.6 %
10306	ΑΑΑ	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6%
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2,22	±9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic Generic	0.97 5.10	± 9.6 % ± 9.6 %
10387 10388	AAA AAA	QPSK Waveform, 1 MHz QPSK Waveform, 10 MHz	Generic	5.22	$\pm 9.6\%$
10386		64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10390	AAA	64-QAM Waveform, 100 KHz	Generic	6.27	± 9.6 %
10395	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433		LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7,48	±9.6 %

10451	AAA	W CDMA (BS Toot Model 4, 64 DDOLL Officering 449()		7 50	
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)		7.59	± 9.6 %
10456		IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA)	WLAN WCDMA	8.63 6.62	± 9.6 % ± 9.6 %
10457	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	$\pm 9.6\%$ $\pm 9.6\%$
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	$\pm 9.6\%$
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)	212 100	1102	
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
40.405		Subframe=2,3,4,7,8,9)			
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	±9.6 %
10466	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL		0.57	1004
10400		Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10401		Subframe=2,3,4,7,8,9)		1.02	1 9.0 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.02	
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	±9.6 %
		Subframe=2,3,4,7,8,9)			
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	±9.6 %
40.470		Subframe=2,3,4,7,8,9)			
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10473	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10475		Subframe=2,3,4,7,8,9)		1.02	19.0 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10111	1	Subframe=2,3,4,7,8,9)		0.02	1 2 0.0 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	±9.6 %
40470		Subframe=2,3,4,7,8,9)			
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	±9.6 %
10480	AAA	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
10400		Subframe=2,3,4,7,8,9)		0.10	± 9.0 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.10	
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)			
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
40.40 7		Subframe=2,3,4,7,8,9)			
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
10486	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	± 9.6 %
10400		Subframe=2,3,4,7,8,9)		0.00	1 9.0 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.60	± 9.6 %
		Subframe=2,3,4,7,8,9)		5.00	
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL	LTE-TDD	7.70	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
		Subframe=2,3,4,7,8,9)			ļ]
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10404		Subframe=2,3,4,7,8,9)		7 7 1	
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
L	.1	Subframe=2,3,4,7,8,9)	l.	l	

10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6 %
10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10498	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6 %
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	± 9.6 %
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	± 9.6 %
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6 %
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6 %
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6%
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6 %
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9,6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9,6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10524		IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6 %
10524 10525	AAB				
10524 10525 10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10524 10525 10526 10527	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN WLAN	8.42 8.21	± 9.6 % ± 9.6 %
10524 10525 10526 10527 10528	AAB AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN WLAN WLAN	8.42 8.21 8.36	± 9.6 % ± 9.6 % ± 9.6 %
10524 10525 10526 10527 10528 10529	AAB AAB AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN WLAN WLAN WLAN	8.42 8.21 8.36 8.36	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10524105251052610527105281052910531	AAB AAB AAB AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN WLAN WLAN WLAN WLAN	8.42 8.21 8.36 8.36 8.43	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10524 10525 10526 10527 10528 10529	AAB AAB AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN WLAN WLAN WLAN	8.42 8.21 8.36 8.36	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %

10535			r		
	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WIFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6 %
10541	AAB	IEEE 802.11ac WIFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8,38	±9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WIFI (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFI (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10563	AAC		WLAN	8.25	± 9.6 %
10364		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	VV LAIN	0,20	I 9.0 %
10565	AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
10365			VVLAIN	0.40	± 9.0 %
40500			WLAN	0.40	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	VVLAIN	8.13	I9.0 %
40507			36/1.6.51		106%
10567	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
40500			16/1 661	0.07	1000
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	±9.6 %
40500	1			0.40	1001/
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
40570				- 0.00	
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
	1	cycle)			
40574				4.00	106%
10571	AAA	IEEE 802.11b WIFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WIFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WIFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572 10573	AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN WLAN	1.99 1.98	± 9.6 % ± 9.6 %
10572 10573 10574	AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN WLAN WLAN	1.99 1.98 1.98	± 9.6 % ± 9.6 % ± 9.6 %
10572 10573	AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN WLAN	1.99 1.98	± 9.6 % ± 9.6 %
10572 10573 10574 10575	AAA AAA AAA AAA	IÉEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10572 10573 10574	AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN WLAN WLAN	1.99 1.98 1.98	± 9.6 % ± 9.6 % ± 9.6 %
10572 10573 10574 10575 10576	AAA AAA AAA AAA AAA AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10572 10573 10574 10575	AAA AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10572 10573 10574 10575 10576 10577	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10572 10573 10574 10575 10576	AAA AAA AAA AAA AAA AAA AAA AAA	IÉEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dutyIEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10572 10573 10574 10575 10576 10577 10578	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577	AAA	IÉEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dutyIEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10572 10573 10574 10575 10576 10577 10578 10579	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579 10580	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579 10580	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579 10580 10581	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579 10580 10581	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579 10580 10581 10583	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76 8.67	$\begin{array}{r} \pm 9.6 \% \\ \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579 10580 10581 10582 10583	AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76 8.35 8.67 8.59	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10572 10573 10574 10575 10576 10577 10578 10579 10580 10581 10583	AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59 8.60 8.70 8.49 8.36 8.76 8.35 8.67 8.59	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %

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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, MCS0, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB				
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.78	$\pm 9.6\%$
			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	$\pm 9.6\%$
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	8.83	
10637	AAC	IEEE 802.11ac WIFI (160MHz, MCS0, 90pc duty cycle)			$\pm 9.6\%$
10638	AAC	IEEE 802.11ac WiFI (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
			WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	$\pm 9.6\%$
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6%
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6%
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6 %
10644	AAC	IEEE 802.11ac WiFI (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6%
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6%
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6 %
	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6 %
10648				0.04	
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
		LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD LTE-TDD	6.91 7.42	± 9.6 % ± 9.6 %

January 24, 2019

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	$\pm 9.6\%$
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	$\pm 9.6\%$
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 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.

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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 Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client PC Test

Certificate No: EX3-7410_Jul18

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:7410	
Calibration procedure(s)	QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v6 Calibration procedure for dosimetric E-field probes	BN1 07126/2018
Calibration date:	July 20, 2018	
This calibration certificate docum The measurements and the unce	ents the traceability to national standards, which realize the physical units of measureme rtainties with confidence probability are given on the following pages and are part of the	ents (SI). certificate.
All calibrations have been conduc	cted in the closed laboratory facility: environment temperature (22 \pm 3)°C and humidity <	70%
Calibration Equipment used (M&	TE critical for calibration)	

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	116So-
			rincik
Approved by:	Katja Pokovic	Technical Manager	20 10
			66 Mg-
			forwards hade 04, 0040
This calibration certificate	e shall not be reproduced except in full	without written approval of the lab	Issued: July 21, 2018 oratory

Calibration Laboratory of

Schmid & Partner **Engineering AG** Zeughausstrasse 43, 8004 Zurich, Switzerland



Schweizerischer Kalibrierdienst S

- Service suisse d'étalonnage
- С Servizio svizzero di taratura S
 - Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary: tissue simulating liquid TSL NORMx,y,z sensitivity in free space ConvF sensitivity in TSL / NORMx,y,z DCP diode compression point CF crest factor (1/duty_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters Polarization ϕ orotation around probe axis Polarization 9 9 rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis

information used in DASY system to align probe sensor X to the robot coordinate system Connector Angle

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization $\vartheta = 0$ (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y, z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom . exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Probe EX3DV4

SN:7410

Calibrated:

Manufactured: November 24, 2015 July 20, 2018

Calibrated for DASY/EASY Systems (Note: non-compatible with DASY2 system!)

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.41	0.47	0.43	± 10.1 %
DCP (mV) ^B	93.6	99.2	96.3	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc ^E (k=2)
0	CW	X	0.0	0,0	1.0	0.00	142.1	±2.5 %
		Y	0.0	0.0	1.0		157.1	
		Z	0.0	0.0	1.0	h	143.0	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V⁻¹	T1 ms.V⁻²	T2 ms.V⁻¹	T3 ms	T4 V⁻²	T5 V ⁻¹	Τ6
Х	32.22	246.3	37.01	4.015	0.380	5.018	0.000	0.327	1.006
Y	34.20	252.5	34.94	7.011	0.000	5.034	0.846	0.193	1.003
Z	38.58	298.4	37.77	5.097	0.373	5.059	0.000	0.338	1.011

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

[^] The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

^a Numerical linearization parameter: uncertainty not required.

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

9 · · · · · · ·										
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)		
750	41.9	0.89	10.13	10.13	10.13	0.37	0.98	± 12.0 %		
835	41.5	0.90	9.81	9.81	9.81	0.47	0.80	± 12.0 %		
1750	40.1	1.37	8.40	8.40	8.40	0.60	0.80	± 12.0 %		
1900	40.0	1.40	8.16	8.16	8.16	0.56	0.80	± 12.0 %		
2300	39.5	1.67	7.78	7.78	7.78	0.32	0.85	± 12.0 %		
2450	39.2	1.80	7.50	7.50	7.50	0.34	0.84	± 12.0 %		
2600	39.0	1.96	7.24	7.24	7.24	0.32	0.89	± 12.0 %		

Calibration Parameter Determined in Head Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity calibration be extended to ± 110 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

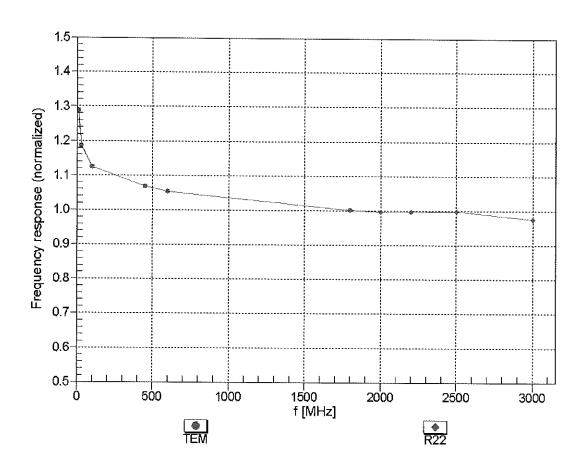
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55 <i>.</i> 5	0.96	9.87	9.87	9.87	0.33	1.02	± 12.0 %
835	55.2	0.97	9.63	9.63	9.63	0.42	0.86	± 12.0 %
1750	53.4	1.49	8.06	8.06	8.06	0.35	0.85	± 12.0 %
1900	53.3	1.52	7.78	7.78	7.78	0.39	0.80	± 12.0 %
2300	52.9	1.81	7.64	7.64	7.64	0.35	0.85	± 12.0 %
2450	52.7	1.95	7.45	7.45	7.45	0.32	0.86	± 12.0 %
2600	52.5	2.16	7.34	7.34	7.34	0.31	0.94	± 12.0 %

Calibration Parameter Determined in Body Tissue Simulating Media

^c Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is \pm 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity calibration frequency below 30 GHz to \pm 10 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

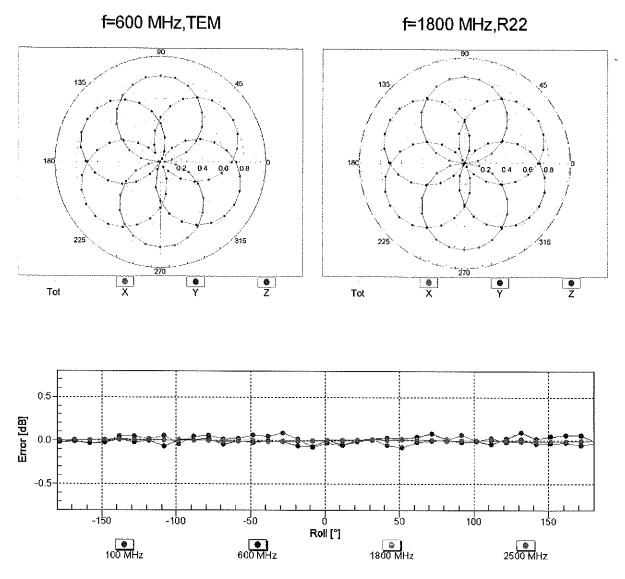
Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

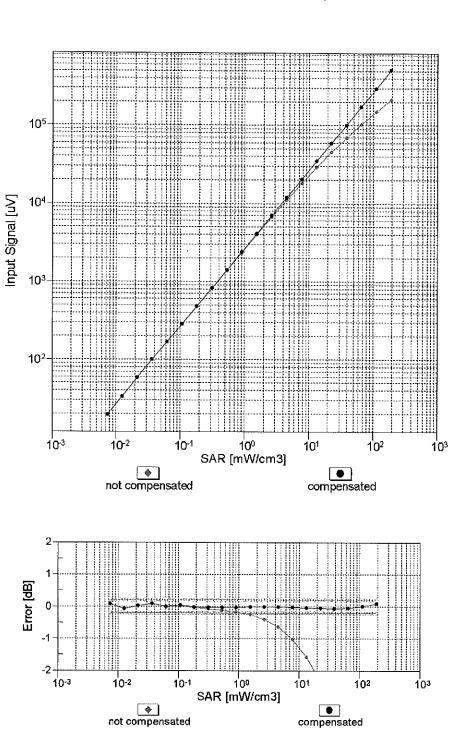
Certificate No: EX3-7410_Jul18



Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

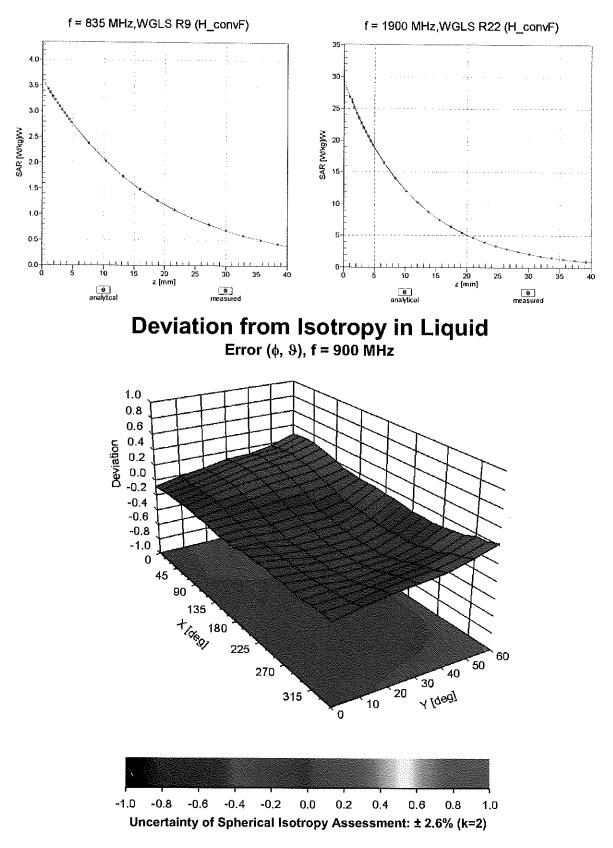
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)

Uncertainty of Linearity Assessment: ± 0.6% (k=2)



Conversion Factor Assessment

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	1.8
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	IX: MODUIATION Calibration Paral Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	142.1	± 2.5 %
		Y	0.00	0.00	1.00		157.1	~
10010-	SAR Validation (Square, 100ms, 10ms)	Z X	0.00	0.00 62.34	1.00 7.74	10.00	143.0 20.0	± 9.6 %
CAA	CAR Valuation (Square, 100ms, 10ms)	^	1.02	02.04	7.74	10.00	20.0	I9.070
		Y	1.47	62.51	7.58		20.0	
		Ζ	1.74	63.23	8.42		20.0	
10011- CAB	UMTS-FDD (WCDMA)	X	0.82	65.36	13.43	0.00	150.0	± 9.6 %
		Y	1.01	68.19	15.53		150.0	
10012-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z X	0.83	64.89 62.67	13.22 14.19	0.41	150.0 150.0	± 9.6 %
CAB	Mbps)		1.00	02.07	14.13	0.41	130.0	1 5.0 70
		Y	1.12	63.85	15.21		150.0	
		Ζ	1.03	62.50	14.16		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	×	4.54	66.46	16.76	1.46	150.0	± 9.6 %
		Y	4.63	66.78	17.00		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z X	4.66 13.15	66.40 84.51	16.88 17.52	9.39	150.0 50.0	± 9.6 %
DAC		^ Y	100.00	105.54	22.55	9.09	50.0	± 9.0 %
		Z	100.00	105.54	22.55		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	7.05	77.63	15.35	9.57	50.0	± 9.6 %
		Y	100.00	104.89	22.31		50.0	
		Ζ	100.00	108.55	24.42		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	103.12	20.53	6.56	60.0	± 9.6 %
		Y	100.00	106.39	21.86		60.0	
10005		Z	100.00	108.56	23.07	40.57	60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X Y	3.34 5.12	64.62 80.55	22.65 32.48	12.57	50.0 50.0	± 9.6 %
		Z	3,40	65.03	23.22		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	5.08	79.74	27.91	9.56	60.0	± 9.6 %
		Y	6.12	86.23	31.42		60.0	
		Z	5.62	82.16	29.24		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	101.64	19.06	4.80	80.0	± 9.6 %
		Y	100.00	109.60	22.50		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Z X	100.00 100.00	108.56 99.62	22.18 17.55	3.55	80.0 100.0	± 9.6 %
		Y	100.00	115.32	24.21		100.0	
		Z	100.00	107.61	21.03		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	3.55	72.28	23.51	7.80	80.0	± 9.6 %
		Y	3.97	75.71	25.59		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Z X	3.84 2.93	73.87 72.58	24.49 11.67	5.30	80.0 70.0	± 9.6 %
JF # 1		Y	100.00	104.73	20.69		70.0	
		Z	100.00	105.98	21.40		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	0.19	60.00	3,86	1.88	100.0	± 9.6 %
		Y	100.00	108.46	20.17	Į –	100.0	
		Z	0.20	60.00	4.39		100.0	

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	x	8.28	60.36	1.45	1.17	100.0	± 9.6 %
		Y	100.00	125.60	25.79		100,0	
		Ż	9.15	64.10	3.12		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	3,18	74.95	16.76	5.30	70.0	± 9.6 %
		Y	16.17	99.83	25.75		70.0	
		Z	6.70	87.29	22.45		70.0	1
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	1.10	65.34	10.90	1.88	100.0	± 9.6 %
		Y	2.67	76.50	16.58		100.0	
		Z	1.54	69.44	13.90		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	0.87	63.89	9.87	1.17	100.0	± 9.6 %
		Y	1.73	72.02	14.58		100.0	
		Z	1.13	66.49	12.17		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	3.74	77.33	17.73	5.30	70.0	± 9.6 %
		Y	34.06	110.90	28.74		70.0	
		Z	9.80	93.25	24.40		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Х	1.04	64.82	10.64	1.88	100.0	± 9.6 %
		Y	2.27	74.65	15.89		100.0	
		Z	1.43	68.68	13.56		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	0.88	64.05	10.08	1.17	100.0	± 9.6 %
		Y	1.75	72.43	14.90		100.0	
		Z	1.13	66.71	12.40		100.0	1
10039- CAB	CDMA2000 (1xRTT, RC1)	X	0.74	62.99	8.94	0.00	150.0	± 9.6 %
		Y	1.38	69.75	13.20		150.0	
		Ζ	0.98	64.89	10.73		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	Х	2.54	68.84	11.04	7.78	50.0	± 9.6 %
		Y	100.00	102.42	20.46	- L	50.0	
		Ζ	100.00	104.71	21.76		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.06	120,88	5.44	0.00	150.0	± 9.6 %
		Y	0.00	104.37	4.38		150.0	
		Ζ	0.08	121.43	6.73		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	4.91	69.00	13.47	13.80	25.0	± 9.6 %
		Y	7.93	75.14	15.14		25.0	
		Ζ	10.77	79.26	17.66		25.0	·····
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	х	4.71	71.69	13.37	10.79	40.0	± 9.6 %
		Y	12,12	82.16	16.51		40.0	
105		Ζ	15.08	85.95	18.75		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	9.20	83.60	20.05	9.03	50.0	± 9.6 %
		Y	100.00	119.47	30.42		50.0	
		Z	26.92	101.32	26.50		50.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	2.97	69.27	21.35	6.55	100.0	± 9.6 %
·		Y	3.27	71.77	22.91		100.0	
1005-		Z	3:17	70.45	22.11		100.0	
10059- CAB	IEEE 802.11b WIFi 2.4 GHz (DSSS, 2 Mbps)	X	1.02	63.20	14.50	0.61	110.0	± 9.6 %
		Υ	1.12	64.64	15.70		110.0	·····
		Ζ	1.03	63.16	14.59		110.0	
10060-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5	Х	1.55	78.45	19.20	1.30	110.0	± 9.6 %
CAB	Mbps)							
	Mbps)	Y	11.63	111.29	30.45		110.0	

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10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	1.39	70.50	17.86	2.04	110.0	± 9.6 %
		Y	1.94	76.74	21.24		110.0	
		Z	1.58	72.59	19.16		110.0	
10062- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.34	66.44	16.20	0.49	100.0	±9.6 %
		Y	4.45	66.80	16.45		100.0	
		Z	4.46	66.35	16.27		100.0	
10063- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.35	66.52	16.28	0.72	100.0	± 9.6 %
		Y	4.46	66.88	16.54		100.0	
		Z	4.47	66.44	16.36		100.0	
10064- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.58	66.71	16.48	0.86	100.0	± 9.6 %
		Y	4.69	67.07	16.73		100.0	
		Z	4.73	66.68	16.59		100.0	
10065- CAC	IEEE 802.11a/h WiFl 5 GHz (OFDM, 18 Mbps)	X	4.45	66.52	16.53	1.21	100.0	± 9.6 %
		Y	4,56	66.89	16.79		100.0	
		z	4.60	66.53	16.67		100.0	
10066- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.45	66.48	16.65	1.46	100.0	± 9.6 %
0.00		Y	4.56	66.86	16.93	······	100.0	
		Z	4.50	66.54	16.93			
10067-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36	X	4.61	66.77	10.84	2.04	100.0	± 9.6 %
CAC	Mbps)					2.04		± 9.0 %
		Y	4.84	67.12	17.40		100.0	
(Z	4.90	66.81	17.33		100.0	
10068- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	Х	4.76	66.66	17.29	2.55	100.0	± 9.6 %
		Y	4.86	67.00	17.55		100.0	
		Z	4.92	66.73	17.50		100.0	
10069- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	4.81	66.68	17.46	2.67	100.0	± 9.6 %
		Y	4.92	67.01	17.74		100.0	
		Z	5.00	66.78	17.71		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.62	66.50	17.03	1.99	100.0	± 9.6 %
		Y	4.72	66.82	17.28		100.0	
		Ż	4.75	66.47	17.18		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.56	66.67	17.18	2.30	100.0	± 9.6 %
0.10		Y	4.66	67.03	17.45		100.0	
		Ż	4.70	66.70	17.36		100.0	1
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.61	66.83	17.49	2.83	100.0	± 9.6 %
	<u> </u>	Y	4.71	67.17	17.77	[100.0	1
		Z	4.75	66.85	17.68	1	100.0	1
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	Х	4.62	66.77	17.64	3.30	100.0	± 9.6 %
		Y	4.70	67.09	17.92	1	100.0	1
		Z	4.74	66.75	17.83		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.63	66.75	17.86	3.82	90.0	± 9.6 %
		Y Z	4.71 4.76	67.06 66.76	18.15 18.09		90.0 90.0	
10076-	IEEE 802.11g WiFi 2.4 GHz	X	4.68	66.63	18.04	4.15	90.0	± 9.6 %
CAB	(DSSS/OFDM, 48 Mbps)		****			4.10		1 9.0 70
		Y	4.74	66.91	18.31		90.0	
10055		Z	4.79	66.61	18.24	L	90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.71	66.72	18.15	4.30	90.0	± 9.6 %
		Y	4.77	66.99	18.42		90.0	
		Z	4.82	66.69	18.35		90.0	

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10081- CAB	CDMA2000 (1xRTT, RC3)	X	0.41	60.41	6.86	0.00	150.0	± 9.6 %
		Y	0.64	64.39	10.26		150.0	
	······	Z	0.51	61.51	8.28		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	6.37	60.67	1.90	4.77	80.0	± 9.6 %
		Y	0.58	60.00	3.05		80.0	
		Z	0.60	60.00	3.10		80.0	1
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	103.19	20.57	6.56	60.0	± 9.6 %
		Y	100.00	106.40	21.88		60.0	
		Z	100.00	108.67	23.14		60.0	
10097- CAB	UMTS-FDD (HSDPA)	X	1.61	66.98	14.45	0.00	150.0	± 9.6 %
		Y	1.83	68.94	15.87		150.0	
		Z	1.61	66.33	14.36		150.0	
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.57	66.91	14.41	0.00	150.0	± 9.6 %
		Y	1.80	68.88	15.85		150.0	
		Z	1.57	66.26	14.32		150.0	
10099- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	5.11	79.85	27.95	9.56	60.0	± 9.6 %
		Y	6.18	86.42	31.49		60.0	
		Z	5.66	82.29	29,29		60.0	
10100- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	2.72	68.86	15.96	0.00	150.0	± 9.6 %
		Y	2.98	70.42	16.85		150.0	
		Z	2.77	68.66	15.78		150.0	
10101- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	2.94	66.71	15.42	0.00	150.0	±9.6 %
		Y	3.09	67.54	15.94		150.0	
		Z	3.00	66.60	15.35		150.0	
10102- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Х	3.05	66.78	15.55	0.00	150.0	± 9.6 %
		Y	3.19	67.54	16.04		150.0	
		Z	3.11	66.65	15.49		150.0	
10103- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	Х	4.63	72,33	19.10	3.98	65.0	± 9.6 %
		Y	5.31	74.95	20.40		65.0	
		Z	5.01	73.33	19.72		65.0	
10104- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	Х	4.71	70.15	18.78	3.98	65.0	± 9.6 %
		Y	5.12	71.87	19.74		65.0	
		Z	4.99	70.84	19.32		65.0	
10105- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	4.62	69.52	18.79	3.98	65.0	± 9.6 %
		Y	4.98	71.08	19.67		65.0	
40400		Z	4.89	70.18	19.31		65.0	
10108- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.32	68.23	15.74	0.00	150.0	± 9.6 %
		Υ	2.56	69.77	16.68		150.0	
40400		Z	2.39	67.99	15.57		150.0	
10109- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.57	66.62	15.17	0.00	150.0	± 9.6 %
		Y	2.73	67.56	15.82		150.0	
40440		Z	2.64	66.42	15.13		· 150.0	
10110- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	1.82	67.31	15.00	0.00	150.0	±9.6 %
·,		Y	2.06	69.08	16.19	·	150.0	
40444		Z	1.89	67.03	14.94		150.0	
10111- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.27	67.56	15.11	0.00	150.0	± 9.6 %
		Y	2.50	68.95	16.11		150.0	
		Z	2.32	67.14	15.12		150.0	

10112- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.70	66.75	15.29	0.00	150.0	± 9.6 %
		Y	2.86	67.62	15.89		150.0	Lana
	a a a a a a a a a a a a a a a a a a a	z	2.77	66.52	15.24		150.0	
10113- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.41	67.80	15.29	0.00	150.0	± 9.6 %
		Y	2.64	69.12	16.24		150.0	
		Z	2.47	67.38	15.32		150.0	
10114- CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.85	66.91	16.28	0.00	150.0	± 9.6 %
		Y	4.92	67.20	16.42		150.0	
		Z	4.93	66.80	16.23		150.0	
10115- CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.08	66.97	16.31	0.00	150.0	± 9.6 %
		Y	5.16	67.24	16.44		150.0	
		Z	5.19	66.91	16.30		150.0	
10116- CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	4.91	67.06	16.28	0.00	150.0	± 9.6 %
		Y	5.00	67.37	16.44		150.0	
1011-		Z	5.02	67.01	16.26		150.0	
10117- CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	4.82	66.80	16.24	0.00	150.0	± 9.6 %
		Y	4.91	67.14	16.41		150.0	
		Z	4.92	66.75	16.22		150.0	
10118- CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.15	67.18	16.42	0.00	150.0	± 9.6 %
		Y	5.23	67.42	16.54		150.0	
		Z	5.28	67.15	16.43		150.0	
10119- CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	4.92	67.09	16.30	0.00	150.0	± 9.6 %
		Y	5.00	67.37	16.45		150.0	
		Z	5.02	67.00	16.27		150.0	
10140- CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.06	66.79	15.45	0.00	150.0	± 9.6 %
		Y	3.21	67.57	15.95		150.0	
		Z	3.13	66.66	15.40		150.0	
10141- CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.19	67.01	15.68	0.00	150.0	± 9.6 %
		Y	3.34	67.73	16.14		150.0	
		Z	3.26	66.83	15.61		150.0	
10142- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.53	66.71	13.85	0.00	150.0	± 9.6 %
		Y	1.82	69.13	15.54		150.0	
		Z	1.62	66.60	14.09		150.0	
10143- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	1.93	66.97	13.55	0.00	150.0	± 9.6 %
		Y	2.31	69.49	15.29		150.0	
		Z	2.06	67.05	14.07		150.0	
10144- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	1.68	64.38	11.67	0.00	150.0	± 9.6 %
		Y	1.94	66.13	13.09		150.0	
		Z	1.85	64.82	12.42		150.0	
10145- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.61	60.00	6.25	0.00	150.0	± 9.6 %
		Y	0.75	61.41	7.98		150.0	
		Z	0.75	60.75	7.63		150.0	
10146- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	0.82	60.00	5.83	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	0.92	60.25	6.35		150.0	
		Z	1.12	61.59	7.98		150.0	
10147- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	0.84	60.00	5.89	0.00	150.0	± 9.6 %
		Y	0.96	60.55	6.61		150.0	
		Ż	1.20	62.21	8.43	1	150.0	

10149-	LTE-FDD (SC-FDMA, 50% RB, 20 MHz,	X	2.58	66.69	15.22	0.00	150.0	± 9.6 %
CAE	16-QAM)		2.00	00.03	13.22	0.00	100,0	19.070
		Y	2.74	67.63	15.87	1	150.0	
		Z	2.65	66.49	15.18		150.0	
10150- CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.71	66.82	15.33	0.00	150.0	±9.6 %
		Y	2.87	67.69	15.94		150.0	
		Z	2.78	66.58	15.28		150.0	
10151- CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	4.58	74.10	19.83	3.98	65,0	± 9.6 %
	·····	Y	5.45	77.40	21.46		65.0	
10150		Z	5.00	75.19	20.56		65.0	
10152- CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.21	69.89	18.16	3.98	65.0	± 9.6 %
		Y	4.65	71.84	19.30		65.0	
10153-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	4.51	70.68	18.85		65.0	
CAF	64-QAM)		4.55	71.06	19.09	3.98	65.0	± 9.6 %
		Y	5.01	72.96	20.18		65.0	
10154-	LTE-FDD (SC-FDMA, 50% RB, 10 MHz,	Z	4.85	71.76	19.74	0.00	65.0	
CAF	QPSK)	X	1.85	67.65	15.22	0.00	150.0	± 9.6 %
		Y	2.10	69.48	16.44		150.0	
10155-	LTE-FDD (SC-FDMA, 50% RB, 10 MHz,	Z	1.92	67.37	15.16		150.0	
CAF	16-QAM)	X	2.27	67.61	15.14	0.00	150.0	± 9.6 %
		Y	2.50	69.00	16.15		150.0	
10156-		Z	2.33	67.17	15.15		150.0	
CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	1.31	65.90	12.85	0.00	150.0	± 9.6 %
·····		Y	1.64	68.88	14.94		150.0	
40457		Z	1.43	66.11	13.38		150.0	
10157- CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.43	63.96	10.91	0.00	150,0	±9.6 %
		Y	1.74	66.31	12.74		150.0	
40450		Z	1.63	64.73	11.94		150.0	
10158- CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.42	67.89	15.35	0.00	150.0	± 9.6 %
		Y	2.65	69.22	16.31		150.0	
		Z	2.48	67.46	15.37		150.0	
10159- CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.49	64.13	11.04	0.00	150.0	± 9.6 %
		Y	1.82	66.66	12.95		150.0	
10160-		Z	1.70	65.00	12.13		150.0	
CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.41	67.89	15.65	0.00	150.0	± 9.6 %
		Y	2.60	69.05	16.44		150.0	
10161-	TE EDD (SC EDMA FOR DD AC MIL	Z	2.48	67.64	15.56		150.0	
CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.59	66.74	15.14	0.00	150.0	± 9.6 %
		Y	2.76	67.68	15.82		150.0	
10162-		Z	2.66	66.50	15.14		150.0	
CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.70	67.00	15.31	0.00	150.0	±9.6 %
		Y	2.87	67.91	15.97		150.0	
10166-		Z	2.77	66.73	15.29		150.0	
CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	2.91	67.87	18.41	3.01	150.0	± 9.6 %
		Y	3.09	68.81	18.75		150.0	
10167-	I TE EDD (SO EDMA FOR DE 4 419)	Z	3.17	68.75	19.02		150.0	
CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	3.24	69.92	18.52	3.01	150.0	±9.6 %
		Y	3.65	71.74	19.22		150.0	
		Z	3.63	71.08	19.26		150.0	

10168- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	3.66	72.66	20.22	3.01	150.0	± 9.6 %
		Y	4.14	74.51	20.83		150.0	
		z					150.0	
10169-	LTE-FDD (SC-FDMA, 1 RB, 20 MHz,	X	4.11 2.32	73.91 65.83	20.95 17.44	3.01	150.0	± 9.6 %
CAE	QPSK)	Y	2.49	67.28	18.07		150.0	
		ż	2.46	66.70	18.14		150.0	
10170-	LTE-FDD (SC-FDMA, 1 RB, 20 MHz,	X	2,74	70.01	19.35	3.01	150.0	± 9.6 %
CAE	16-QAM)	Y	3.21	72.95	20.48		150.0	
		z	3.00	71.51	20.32		150.0	
10171- AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.31	66.53	16.58	3.01	150.0	± 9.6 %
/ 1/ 16-4		Y	2.63	68.93	17.60		150.0	
		z	2.50	67.67	17.42		150.0	
10172- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.90	74,23	22.35	6.02	65.0	±9.6 %
0/1		Y	3.68	79.90	24.98		65.0	
		Ż	3.91	80.19	25.56		65.0	
10173- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	3.92	78.79	22.40	6.02	65.0	± 9,6 %
1	man	Y	6.85	89.50	26.38		65.0	
		Z	6.70	89.11	27.06		65.0	
10174- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.90	73.28	19.67	6.02	65.0	± 9.6 %
		Y	5.51	84.77	24.11		65.0	
		Z	4.93	82.66	24.17		65.0	
10175- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.30	65.58	17.20	3.01	150.0	± 9.6 %
		Y	2.47	67.02	17.83		150.0	
		Z	2.44	66.43	17.89		150.0	
10176- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	2.74	70.03	19.36	3.01	150.0	± 9.6 %
		Y	3.21	72.97	20.49		150.0	
		Z	3.00	71.53	20.33		150.0	
10177- CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.31	65.68	17.27	3.01	150.0	± 9.6 %
		Y	2.48	67.13	17.91		150.0	
		Z	2.45	66.56	17.98		150.0	
10178- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	2.73	69.91	19.28	3.01	150.0	± 9.6 9
		Y	3.19	72.83	20.41		150.0	
		Z	2.98	71.36	20.23		150.0	
10179- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	2.50	68.14	17.82	3.01	150.0	± 9.6 9
		Y	2.89	70.84	18.91		150.0	
		Z	2.72	69.48	18.74		150.0	
10180- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	2.31	66.50	16.56	3.01	150.0	± 9.6 9
		Y	2.63	68.90	17.57		150.0	
		Z	2.50	67.63	17.39		150.0	
10181- CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.31	65.67	17.27	3.01	150.0	± 9.6 9
		Y	2.48	67.11	17.90		150.0	
		Z	2.45	66.54	17.97		150.0	
10182- CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	2.73	69.88	19.27	3.01	150.0	± 9.6 %
		Y	3.19	72.81	20.40		150.0	
		Z	2.98	71.34	20.21		150.0	
10183- AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	Х	2.31	66.48	16.55	3.01	150.0	± 9.6 9
		Y	2.63	68.87	17.56		150.0	
		Ż	2.49	67.61	17.37	1	150.0	1

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10184-	LTE-FDD (SC-FDMA, 1 RB, 3 MHz,	TX	2.32	65.70	17.29	3.01	150.0	± 9.6 %
CAE	QPSK)		2.02	00.10	11.20	0.01	100.0	1 3.0 /0
		Y	2.49	67.15	17.92		150.0	
	·····	Z	2.46	66.58	17.99		150.0	
10185- CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	2.74	69.95	19.31	3.01	150.0	± 9.6 %
		Y	3.20	72.88	20.43		150.0	
		Z	2,99	71.41	20.26		150.0	
10186- AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	×	2.32	66.53	16.58	3.01	150.0	± 9.6 %
		Y	2.64	68.94	17.60	<u> </u>	150.0	
10187-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	Z	2.51	67.67	17.41		150.0	
CAF	QPSK)	X Y	2.33	65.78	17.37	3.01	150.0	± 9.6 %
		Z	2.50 2.47	67.22 66.64	18.00		150.0	
10188-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	X	2.47	70.47	18.07 19.65	3.01	150.0	
CAF	16-QAM)	Ŷ	3.29	73.46	20.79	3.01	150.0	± 9.6 %
		Z					150.0	
10189-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	X	3.07 2.35	72.01 66.85	20.64 16.82	3.01	150.0	
AAF	64-QAM)					3.01	150.0	±9.6 %
		Y Z	2.69 2.55	69.31	17.86		150.0	
10193-	IEEE 802.11n (HT Greenfield, 6.5 Mbps,	X	4.23	68.03 66.54	17.68 15.90	0.00	150.0	
CAC	BPSK)	Y				0.00	150.0	± 9.6 %
		Z	4.33 4.32	66.90	16.14		150.0	
10194-	IEEE 802.11n (HT Greenfield, 39 Mbps,	X	4.32	66.32 66.75	15.87	0.00	150.0	
CAC	16-QAM)				16.04	0.00	150.0	± 9.6 %
		Y	4.47	67.12	16.27		150.0	
10195- CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	Z X	<u>4.47</u> 4.39	66.58 66.76	16.01 16.05	0.00	150.0 150.0	± 9,6 %
		Y	4.50	67.13	16.28	······	450.0	
	······································	Z	4.50	66.61	16.28		150.0	
10196-	IEEE 802.11n (HT Mixed, 6.5 Mbps,	X	4.21	66.52	15.87	0.00	150.0 150.0	
CAC	BPSK)	Y	4.32	66.89				± 9.6 %
		Z	4.32	66.33	16.12 15.87		150.0	
10197-	IEEE 802.11n (HT Mixed, 39 Mbps, 16-	X	4.37	66.75	16.04	0.00	150.0	1000
CAC	QAM)	Y	4.48	67.12	16.28	0.00	150.0	± 9.6 %
	······································	Z	1.10	*			150.0	
10198- CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	X	<u>4.48</u> 4.38	66.59 66.75	16.02 16.05	0.00	150.0 150.0	± 9.6 %
		Y	4.50	67.13	16.28		150.0	
100/-		Ζ	4.50	66.62	16.04		150.0	
10219- CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.16	66.56	15.85	0.00	150.0	± 9.6 %
		Y	4.27	66.93	16.10		150.0	
40000		Ζ	4.26	66.35	15.83		150.0	
10220- CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.36	66.72	16.03	0.00	150.0	±9.6 %
		Y	4.47	67.08	16.26		150.0	
10221-	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-	Z	4.47	66.56	16.01		150.0	
CAC	QAM)	X	4.40	66.71	16.04	0.00	150.0	±9.6 %
		Y	4.51	67.07	16.27		150.0	
10222-	IFEE 802 41p (UT Mixed 45 Mixed	Z	4.51	66.56	16.03		150.0	
CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.80	66.80	16.23	0.00	150.0	±9.6 %
		Y	4.88	67.12	16.39		150.0	
		Ζ	4.89	66.72	16.20		150.0	

10223- CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.04	66.95	16.32	0.00	150.0	± 9.6 %
		Y	5.14	67.29	16.49		150.0	
		Z	5.18	66.99	16.36		150.0	
10224- CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	X	4.84	66.92	16.22	0.00	150.0	± 9.6 %
		Y	4.92	67.24	16.38		150.0	
		Z	4.93	66.82	16.18		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.46	65.56	14.20	0.00	150.0	± 9.6 %
		Y	2.62	66.44	14.96		150.0	
		Z	2.55	65.41	14.45		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.12	79.74	22.87	6.02	65.0	± 9.6 %
		Y	7.38	90.96	26.97		65.0	
		Z	7.19	90.56	27.66		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.10	78.95	21.90	6.02	65.0	±9.6 %
		Y	7.43	89.71	25.78		65.0	
		Z	7.75	90.70	26,99		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.12	75.94	23.15	6.02	65.0	± 9.6 %
		Y	4.06	82.01	25.85		65.0	
		Z	4.25	82.24	26.47		65.0	
10229- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	3.94	78,88	22.44	6.02	65.0	± 9.6 %
		Y	6.91	89.62	26.42		65.0	
		Z	6.76	89.24	27.11		65.0	
10230- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	3.89	78.03	21.47	6.02	65.0	± 9.6 %
		Y	6.86	88.27	25.23		65.0	
		Z	7.16	89.19	26.40		65.0	
10231- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.03	75.32	22.81	6.02	65.0	±9.6 %
,		Y	3.92	81.25	25.48		65.0	
		Z	4.10	81.44	26.07		65.0	
10232- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	3.94	78.86	22.44	6.02	65.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	6.89	89.60	26.42		65.0	
		Z	6.74	89.21	27,10		65.0	
10233- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	3.88	77.99	21.46	6.02	65.0	± 9.6 %
		Y	6.83	88.22	25.21		65.0	
		Z	7.13	89.13	26.38		65.0	
10234- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.96	74.84	22.48	6.02	65.0	± 9.6 %
		Y	3.82	80.66	25.12		65.0	
		Z	4.00	80.82	25.70		65.0	
10235- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	3.94	78.87	22.44	6.02	65.0	± 9.6 %
		Y	6.90	89.63	26.43		65.0	
		Z	6.75	89.23	27.11		65.0	
10236- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.92	78.11	21.50	6.02	65.0	± 9.6 %
		Y	6.93	88.43	25.27		65.0	
		Z	7.23	89.34	26.44		65.0	
10237- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.03	75.32	22.81	6.02	65.0	± 9.6 %
		Y	3.92	81.27	25.49		65.0	
		Z	4.10	81.45	26.08		65.0	
10238- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	3.93	78.83	22.43	6.02	65.0	± 9.6 %
		Y	6.87	89.57	26.41		65.0	
		Z	6.72	89.17	27.08		65.0	

10239- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.87	77.95	21.45	6.02	65.0	± 9,6 %
		Y	6.80	88.17	25.20		65.0	
		Z	7.10	89.08	26.37		65.0	
10240- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Х	3.02	75.30	22.81	6.02	65.0	± 9.6 %
		Y	3.91	81.25	25.48		65.0	
		Z	4.09	81.42	26.07	[65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.47	76.60	23.52	6.98	65.0	± 9.6 %
		Y	6.28	79.70	24.95		65.0	
		Z	6.08	77.98	24.56		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.17	75.55	22.99	6.98	65.0	±9.6 %
~~~~		Y	5.96	78.71	24.47		65.0	
10010		Z	5.82	77.10	24.09		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.47	72.66	22.57	6.98	65.0	± 9.6 %
	-	Y	4.85	74.66	23.64		65.0	
40044		Z	4.89	73.70	23.43	L	65.0	
10244- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.59	65.60	11.95	3.98	65.0	± 9.6 %
		Y	3.16	68.30	13.59		65.0	
100/5		Z	3.94	71.58	16.14		65.0	
10245- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.56	65.23	11.69	3.98	65.0	± 9,6 %
		Y	3.08	67.71	13.25		65.0	
10010		Z	3.80	70.75	15.70		65.0	
10246- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	2.30	67.33	13.29	3.98	65.0	± 9.6 %
		Y	3.40	73.14	16.55		65.0	
	· · · · · · · · · · · · · · · · · · ·	Z	3.20	71.92	16.41		65.0	
10247- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	х	2.93	67.28	14.07	3.98	65.0	± 9.6 %
		Y	3.57	70.51	16.14		65.0	
		Z	3.50	69.72	16.15		65.0	
10248- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	2.93	66.83	13.84	3.98	65.0	± 9.6 %
		Y	3.51	69.74	15,76		65.0	
		Z	3.49	69.17	15.87		65.0	
10249- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	3.40	72.89	17.31	3.98	65.0	± 9.6 %
		Y	5.05	79.62	20.60		65.0	
		Ζ	4.35	76.73	19.72		65.0	
10250- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	4.07	71.77	18.68	3.98	65.0	± 9.6 %
		Y	4.65	74.35	20.17		65.0	
		Ζ	4,43	72.91	19.73		65.0	
10251- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	3.86	69.66	17.25	3.98	65.0	± 9.6 %
		Y	4.37	71.98	18.68		65.0	
40052		Ζ	4.24	70.85	18.35		65.0	
10252- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	4.28	75.56	20.13	3.98	65.0	± 9.6 %
		Y	5.50	80.28	22.41		65.0	
10050		Ζ	4.84	77.34	21.32		65.0	
10253- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	x	4.17	69.62	17.88	3,98	65.0	±9.6 %
		Y	4.59	71.50	19.03		65.0	
10051		Z	4.46	70.34	18.61		65.0	
10254- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	4.46	70.60	18.66	3.98	65.0	± 9.6 %
		Y	4.90	72.45	19.77		65.0	
		Z	4.75	71.28	19.37		65.0	

10255- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	4.40	73.51	19.69	3.98	65.0	± 9.6 %
		Y	5.16	76.59	21.27		65.0	
		Ż	4.77	74.49	20.43		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.88	62.21	8.80	3.98	65.0	± 9.6 %
		Y	2.16	63.72	9.95		65.0	
		Z	2.68	66.18	12.27		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.87	61.92	8.53	3.98	65.0	± 9.6 %
		Y	2.13	63.28	9.61		65.0	
		Z	2.60	65.47	11.78		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.63	62.98	9.76	3.98	65.0	± 9.6 %
		Y	2.11	66.24	12.11		65.0	
		Z	2.20	66.42	12.68		65.0	
10259- CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	3.37	69.09	15.81	3.98	65.0	± 9.6 %
		Y	4.03	72.21	17.73		65.0	
		Z	3.88	71.08	17.53		65.0	
10260- CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	3.41	68.89	15.70	3.98	65.0	± 9.6 %
		Y	4.05	71.86	17.55		65.0	
		Z	3.92	70.83	17.40		65.0	
10261- CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	3.65	73.54	18.24	3.98	65.0	± 9.6 %
		Y	4.99	79.08	21.01		65.0	
		Z	4.36	76.25	20.08		65.0	
10262- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.05	71.68	18.62	3.98	65.0	± 9.6 %
• ••••		Y	4.63	74.27	20.11		65.0	
		Z	4.42	72.84	19.67		65.0	
10263- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	3.85	69.65	17.25	3.98	65.0	± 9.6 %
		Y	4.36	71.96	18.67		65.0	
		Z	4.23	70.83	18.35		65.0	
10264- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	4.23	75.35	20.01	3.98	65.0	± 9.6 %
		Y	5.43	80.04	22.29		65.0	
		Z	4.79	77.13	21.21		65.0	
10265- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.21	69.90	18.16	3.98	65.0	± 9.6 %
		Y	4.65	71.84	19.30		65.0	
		Z	4.51	70.68	18.86		65.0	
10266- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	4.55	71.05	19.08	3.98	65.0	± 9.6 %
		Y	5.00	72.95	20.16		65.0	
		Z	4.85	71.75	19.72		65.0	
10267- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	4.57	74.06	19.81	3.98	65.0	± 9.6 %
		Y	5.43	77.35	21.43		65.0	
		Z	4.99	75.14	20.54		65.0	
10268- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	4.89	70.28	18.92	3.98	65.0	± 9.6 %
		Y	5.29	71.90	19.82		65.0	
		Z	5.16	70.86	19.41		65.0	
10269- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	4.93	70.03	18.82	3.98	65.0	± 9.6 %
		Y	5.31	71.54	19.69		65.0	
		Z	5.18	70.53	19.29	]	65.0	
10270- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	4.82	72.26	19.25	3.98	65.0	± 9.6 %
		Ý	5.40	74.50	20.39		65.0	
		Z	5.12	72.93	19.74	T	65.0	1

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.30	66.08	14.21	0.00	150.0	± 9.6 %
		Y	2.48	67.13	15.07		150.0	1
	······	Z	2.37	65.78	14.35		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.33	66.42	14.09	0.00	150.0	± 9.6 %
		Y	1.55	68.66	15.67		150.0	
		Z	1.35	65.99	13.99		150.0	
10277- CAA	PHS (QPSK)	X	1.44	58.96	4.35	9.03	50.0	± 9.6 %
		Y	1.29	58.94	4.16		50.0	
		Z	1.60	59.77	5.29		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.42	63.55	9.32	9.03	50.0	± 9.6 %
		Y	2.50	65.00	10.23		50.0	
		Z	3.00	66.61	11.73		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	2.47	63.72	9.48	9.03	50.0	± 9.6 %
		Y	2.58	65.28	10.45		50.0	
		Z	3.09	66.89	11.94		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	Х	0.64	61.56	7.87	0.00	150.0	± 9.6 %
		Υ	0.98	65.79	11.09		150.0	
		Z	0.84	63.19	9.57		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	0.41	60.33	6.79	0.00	150.0	± 9.6 %
		Y	0.62	64.18	10.12		150.0	
		Z	0.50	61.40	8.20		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	0.46	61.89	7.99	0.00	150.0	± 9.6 %
		Y	1.01	70.37	13.40		150.0	
		Z	0.57	63.19	9.51		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	Х	0.64	65.03	10.07	0.00	150.0	± 9.6 %
		Y	4.97	89.66	20.54		150.0	
		Z	0.76	66.38	11.57		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	Х	14.73	88.54	22.30	9.03	50.0	± 9.6 %
		Y	21.95	97.75	26.07		50.0	1
		Z	14.97	91.80	24.79		50.0	[
10297- AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	2.34	68.34	15.82	0.00	150.0	± 9.6 %
		Y	2.58	69.89	16.76		150.0	
	· · · · · · · · · · · · · · · · · · ·	Z	2.40	68.08	15.64		150.0	· · · · · · · · · · · · · · · · · · ·
10298- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	0.86	62.29	9.16	0.00	150.0	± 9.6 %
		Y	1.16	65.45	11.69		150.0	
100		Z	1.05	63.56	10.60		150.0	
10299- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.14	61.76	8.21	0.00	150.0	± 9.6 %
		Y	1.41	63.51	9.50		150.0	
		Z	1.73	65.72	11.49		150.0	
10300- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	0.97	60.07	6.55	0.00	150.0	±9.6 %
		Y	1.14	61.11	7.49		150.0	
10001		Ζ	1.33	62.21	8.89		150.0	
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.13	64.55	16.56	4.17	50.0	±9.6 %
		Y	4.26	65.00	16.97		50.0	
		Z	4.39	64.86	16.90	······;	50.0	
10302- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.66	65.38	17.39	4.96	50.0	±9.6 %
		Y	4.76	65.70	17.72		50.0	
		Z	4.88	65.46	17.59			

10303- AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.45	65.36	17.40	4.96	50.0	± 9.6 %
		Y	4.51	65.30	17.48		50.0	
		Z	4.62	65.06	17.37		50.0	
10304- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.25	64.98	16.73	4.17	50.0	± 9.6 %
***		Y	4.36	65.33	17.07		50.0	
		Z	4.45	64.98	16.90		50.0	
10305- AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	3.81	66.28	17.81	6.02	35.0	± 9.6 %
		Y	3.76	65.91	18.03		35.0	
40000		Z	4.04	66.66	18.48		35.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.18	65.73	17.92	6.02	35.0	± 9.6 %
		Y	4.17	65.55	18.11		35.0	
10207		Z	4.39	65.94	18.38	0.00	35.0	
10307- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.05	65.69	17.78	6.02	35.0	±9.6 %
		Y	4.04	65.48	17.96		35.0	
10200	IEEE 900 160 WIMAY (00-40 - 40	Z	4.27	65.96	18.27	<u> </u>	35.0	1000
10308- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.03	65.87	17.91	6.02	35.0	± 9.6 %
		Y	4.01	65.64	18.09		35.0	
10309-	IEEE 802 46- WIMAX (20:48 40	Z	4.25	66.15	18.40	0.00	35.0	100%
AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.18	65.77	18.00	6.02	35.0	± 9.6 %
		Y	4.19	65.61	18.20		35.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	Z X	<u>4.42</u> 4.13	66.06 65.78	18.49 17.90	6.02	35.0 35.0	±9.6 %
	TOWINZ, QFSR, AWG 2x3, 18 Symbols)	Y	4.12	65.57	18.08		35.0	
		Z	4.12	65.98	18.35		35.0	
10311- AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	2.69	67.62	15.56	0.00	150.0	± 9.6 %
		Y	2.94	69.08	16.39		150.0	
		Z	2.75	67.40	15.38		150.0	
10313- AAA	IDEN 1:3	X	1.80	67.21	13.40	6.99	70.0	±9.6 %
		Y	2.78	73.35	16.36		70.0	
		Z	2.09	69.09	14.51		70.0	
10314- AAA	IDEN 1:6	X	3.26	75.39	19.57	10.00	30.0	± 9.6 %
		Y	5.56	85.97	24.05		30.0	
		Z	4.04	79.23	21.39		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	0.96	62.72	14.16	0.17	150.0	± 9.6 %
		Y	1.05	63.94	15.22	<b> </b>	150.0	
		Z	0.96	62.45	14.04		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.24	66.42	15.96	0.17	150.0	±9.6 %
,		Y	4.35	66.80	16.22		150.0	
		Z	4.36	66.32	16.01		150.0	
10317- AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.24	66.42	15.96	0.17	150.0	± 9.6 %
		Y Z	4.35	66.80 66.32	16.22 16.01		150.0 150.0	
10400- AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	Х	4.31	66.71	15.99	0.00	150.0	± 9.6 %
		Y	4.43	67.11	16.24		150.0	
		Z	4.43	66.60	15.99		150.0	
10401- AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	4.98	66.52	16.05	0.00	150.0	±9.6 %
		Y	5.08	66.87	16.24		150.0	
	· · · · · · · · · · · · · · · · · · ·	Z	5.16	66.70	16.18		150.0	

10402- AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.36	67.14	16.28	0.00	150.0	± 9.6 %
		Y	5.44	67.45	16.42		150.0	
		Z	5.45	67.07	16.25		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	0.64	61.56	7.87	0.00	115.0	± 9.6 %
		Y	0.98	65.79	11.09		115.0	
		Z	0.84	63.19	9.57	·····	115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	0.64	61.56	7.87	0.00	115.0	± 9.6 %
		Y	0.98	65.79	11.09		115.0	
		Z	0.84	63.19	9.57		115.0	
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	119.53	28.08	0.00	100.0	±9.6 %
		Y	100.00	115.68	26.57		100.0	
	······································	Z	100.00	126.19	31.47		100.0	
10410- AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	×	2.86	79.80	18.70	3.23	80.0	± 9.6 %
		Y	25.09	107.33	26.44		80.0	
		Z	100.00	133.23	34.42		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	0.92	62.32	13.80	0.00	150.0	± 9.6 %
		Y	1.00	63.42	14.80		150.0	
		Z	0.91	61.96	13.60		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	×	4.22	66.50	15.96	0.00	150.0	± 9.6 %
		Y	4.32	66.87	16.21		150.0	
		Z	4.32	66.33	15.95		150.0	
10417- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.22	66.50	15.96	0.00	150.0	± 9.6 %
		Υ	4.32	66.87	16.21		150.0	
		Z	4.32	66.33	15.95		150.0	1
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	×	4.21	66.71	16.02	0.00	150.0	± 9.6 %
		Υ	4.32	67.09	16.27		150.0	
		Z	4.31	66.51	15.99		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.23	66.64	16.01	0.00	150.0	± 9.6 %
		Y	4.34	67.01	16.25		150.0	
		Z	4.33	66.45	15.98	******	150.0	
10422- AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.33	66.62	16.03	0.00	150.0	± 9.6 %
		Y	4.44	66.98	16.26		150.0	
		Z	4.44	66.45	16.00		150.0	
10423- AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.45	66.86	16.11	0.00	150.0	± 9.6 %
		Y	4.56	67.23	16.34		150.0	
		Z	4.57	66.72	16.10		150.0	
10424- AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	×	4.38	66.81	16.08	0.00	150.0	± 9.6 %
		Y	4.50	67.18	16.32		150.0	
40405		Ζ	4.50	66.66	16.07		150.0	
10425- AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.03	67.03	16.34	0.00	150.0	± 9.6 %
		Y	5.11	67.32	16.49		150.0	
40400		Z	5.14	66.98	16.33		150.0	
10426- AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.06	67.16	16.40	0.00	150.0	±9.6 %
		Y	5.13	67.40	16.52		150.0	
		Z	5.17	67.10	16.39		150.0	

10427- AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.01	66.91	16.27	0.00	150.0	± 9.6 %
		Y	5.09	67.19	16.41		150.0	
		Ζ	5.13	66.90	16.28		150.0	
10430- AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.07	72.07	17.91	0.00	150.0	± 9.6 %
		Y	4.24	72.56	18.40		150.0	
		Z	4.04	71.02	17.78		150.0	
10431- AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	×	3.79	66.99	15.69	0.00	150.0	± 9.6 %
		Y	3.94	67.49	16.09		150.0	
		Z	3.92	66.79	15.76		150.0	
10432- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	×	4.13	66.89	15.96	0.00	150.0	± 9.6 %
		Y	4.26	67.30	16.25		150.0	
		Z	4.25	66.71	15.96		150.0	
10433- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.40	66.85	16.11	0.00	150.0	± 9.6 %
		Y	4.51	67.22	16.34		150.0	
10101		Z	4.51	66.70	16.09		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.05	72.38	17.35	0.00	150.0	± 9.6 %
		Y	4.37	73.48	18.19		150.0	
10105		Z	4.07	71.60	17.46		150.0	
10435- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.72	79.05	18.38	3.23	80.0	± 9.6 %
		Y	21.44	105.07	25.81		80.0	
		Z	100.00	132.91	34.27		80.0	
10447- AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	2.96	66.34	14.12	0.00	150.0	± 9.6 %
		Y	3.18	67.31	14.92		150.0	
		Z	3.13	66.39	14.53		150.0	
10448- AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.67	66.79	15.57	0.00	150.0	± 9.6 %
		Y	3.81	67.30	15.97		150.0	
		Z	3.78	66.58	15.62		150.0	
10449- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	3.98	66.71	15.86	0.00	150.0	± 9.6 %
		Y	4.10	67.14	16.16		150.0	
		Z	4.09	66.52	15.85		150.0	
10450- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.21	66.62	15.96	0.00	150.0	± 9.6 %
		Y	4.32	67.01	16.21		150.0	
		Z	4.30	66.46	15.93		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2.70	65.75	13.11	0.00	150.0	± 9.6 %
		Y	2.96	67.00	14.12		150.0	
40.455		Z	2.94	66.14	13.79		150.0	
10456- AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	5.99	67.61	16.55	0,00	150.0	± 9.6 %
		Y	6.02	67.80	16.61		150.0	
		Z	6.11	67.72	16.61		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.61	65.32	15.70	0.00	150.0	± 9.6 %
		Y	3.69	65.64	15.94		150.0	l
		Z	3.65	65.04	15.66		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.19	69.07	15.08	0.00	150.0	± 9.6 %
		Y	3.69	71.30	16.62	L	150.0	
		Z	3.53	69.92	16.16		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.69	69.03	17.48	0.00	150.0	± 9.6 %
		Y	4.79	69.11	17.75		150.0	
		Z	4.84	68.73	17.83		150.0	

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	0.72	66.02	14.12	0.00	150.0	± 9.6 %
	······································	Y	0.91	69.57	16.66	1	150.0	
		Z	0.71	65.26	13.72		150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.93	75.92	18.31	3.29	80.0	±9.6 %
		Y	6.83	93.43	24.06		80.0	
		Z	100.00	137.66	36.58		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.63	60.00	7.27	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.19		80.0	
40400		Z	1.15	65.31	10.99		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	6.55	3.23	80.0	± 9.6 %
~~		Y	0.66	60.00	6.45		80.0	
10464-		Z	0.67	60.00	7.76		80.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.38	71.32	15.83	3.23	80.0	± 9.6 %
		Y	4.54	86.66	21.20		80.0	
10465-		Z	100.00	134.26	34.80		80.0	
10465- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.63	60.00	7.20	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.11		80.0	
10466-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-	ZX	0.94	63.37	10.05		80.0	
AAB	QAM, UL Subframe=2,3,4,7,8,9)		0.65	60.00	6.50	3.23	80.0	± 9.6 %
		Y	0.66	60.00	6.41		80.0	
10467-	LTE-TDD (SC-FDMA, 1 RB, 5 MHz,	Z X	0.68	60.00	7.70	0.00	80.0	
AAD	QPSK, UL Subframe=2,3,4,7,8,9)	l	1.47	72.19	16.22	3.23	80.0	± 9.6 %
		Y	5.30	88.83	21.91		80.0	
10468-		Z	100.00	134.76	35.02		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.63	60.00	7.22	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.14		80.0	
10469-		Z	0.99	63.90	10.32		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	6.51	3.23	80.0	±9.6 %
		Y	0.66	60.00	6.41		80.0	
40470		Z	0.68	60.00	7.70		80.0	
10470- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.46	72.21	16.22	3.23	80.0	± 9.6 %
		Y	5.35	88.98	21.94		80.0	
10471-		Z	100.00	134.82	35.03		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.63	60.00	7.21	3.23	80.0	±9.6 %
		Y	0.63	60.00	7.12		80.0	
10472- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Z X	0.98 0.65	63.79 60.00	10.26 6.49	3.23	80.0 80.0	± 9.6 %
- w viar		Y	0.66	60.00	6.00		00.0	
		r Z	0.66	60.00 60.00	6.39		80.0	
10473-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz,	X	1.46	72.15	7.68	2.00	80.0	1000
AAD	QPSK, UL Subframe=2,3,4,7,8,9)	^ Y			16.20	3.23	80.0	± 9.6 %
		Υ Ζ	<u>5.31</u> 100.00	88.87	21.90		80.0	
10474- AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.63	134.77 60.00	35.01 7.20	3.23	80.0 80.0	± 9.6 %
		Y	0.63	60.00	7.12		000	
		Z	0.03	63.74	10.23	······	80.0	
10475- AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	6.49	3.23	80.0 80.0	± 9.6 %
		Y	0.66	60.00	6.39		80.0	
		Z	0.67	60.00	0.39 7.69		80.0	
		<u> </u>	0.07	00.00	1.09		80.0	

10477-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-	X	0.63	60.00	7.17	3.23	80.0	± 9.6 %
AAE	QAM, UL Subframe=2,3,4,7,8,9)	Y	0.00	60.00	7.00		00.0	
		Z	0.63	60.00 63.31	7.08		80.0 80.0	
10478-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-	X	0.65	60.00	6.47	3.23	80.0	± 9.6 %
AAE	QAM, UL Subframe=2,3,4,7,8,9)					J.2J		± 9.0 %
	······································	Y	0,66	60.00	6.37		80.0	
10479-		Z	0.67	60,00	7.67		80.0	1000
AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.26	80.69	20.19	3.23	80.0	± 9.6 %
		Y	7.01	87.70	22.71		80.0	
10480-		Z	21.27	105.57	28.88	0.00	80.0	
AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.88	66.39	12,32	3.23	80.0	± 9.6 %
		Y	3.13	71.95	14.74		80.0	
10481-	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz,	Z X	13.52	90.52	21.87	3.23	80.0	+06%
AAA	64-QAM, UL Subframe=2,3,4,7,8,9)		1.43	63.16	10.40	3.23	80.0	± 9.6 %
		Y	2.06	66.80	12.23		80.0	
10482-	LTE-TDD (SC-FDMA, 50% RB, 3 MHz,	Z X	<u>6.11</u> 1.06	79.62 61.11	18.02 9.78		80.0 80.0	<b>TUC</b> 0/
AAB	QPSK, UL Subframe=2,3,4,7,8,9)					2.23		± 9.6 %
		Y Z	1.73	66.89	13.39		80.0	
10483-	LTE-TDD (SC-FDMA, 50% RB, 3 MHz,	X	<u>1.53</u> 1.23	64.78 60.00	12.61 8.50	2.23	80.0 80.0	± 9.6 %
AAB	16-QAM, UL Subframe=2,3,4,7,8,9)					2.20		19.0 %
		Y	1.57	62.45	10.22		80.0	
40404		Z	2.78	68.98	14.19	0.00	80.0	
10484- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.26	60.00	8.49	2.23	80.0	± 9.6 %
		Y	1.54	61.98	9.97		80.0	
40405		Z	2.53	67.57	13.58	0.00	80.0	
10485- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.66	65.74	13.74	2.23	80.0	±9.6 %
		Y	2.52	71.78	17.06		80.0	
40400		Z	2.10	68.47	15.70	0.00	80.0	1000
10486- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.66	62.56	11.27	2.23	80.0	± 9.6 %
		Y	2.26	66.58	13.85		80.0	
10487-	LTE-TDD (SC-FDMA, 50% RB, 5 MHz,	Z X	<u>2.12</u> 1.67	65.12 62.33	13.38 11.12	2.23	80.0 80.0	± 9.6 %
AAD	64-QAM, UL Subframe=2,3,4,7,8,9)	Y	2.24	66.10	13.59		80.0	
		Z	2.14	64.83	13.21		80.0	
10488- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.26	67.65	16.13	2.23	80.0	± 9.6 %
		Y	2.82	71.24	18.12		80.0	<u> </u>
		Z	2.57	69.00	17.08		80.0	
10489- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.49	65.85	15.07	2.23	80.0	± 9.6 %
· - ·		Y	2.90	68.21	16.54		80.0	1
		Z	2.74	66.70	15.91		80.0	
10490- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.57	65.79	15.03	2.23	80.0	±9.6 %
		Y	2.97	68.04	16.46		80.0	
		Z	2.83	66.63	15.88		80.0	
10491- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.64	67.24	16.30	2.23	80.0	± 9.6 %
		Y	3.09	69.79	17.74		80.0	
		Z	2.92	68.21	16.96		80.0	
10492- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.93	65.80	15.66	2.23	80.0	± 9.6 %
		Y	3.24	67.45	16.69		80.0	
		Z	3.14	66.35	16.22		80.0	

10493- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.99	65.74	15.62	2.23	80.0	± 9.6 %
	04-QAM, OL Subilane-2,3,4,7,6,9)	Y	3.29	67.32	16.63		00.0	
		Z	3.21	66.28	16.18		80.0 80.0	-
10494- AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.77	68.16	16.65	2.23	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	3.31	71.10	18.21		80.0	
		Z	3.09	69.31	17.33		80.0	
10495- AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.95	66.01	15.89	2.23	80.0	± 9.6 %
-	······	Y	3.25	67.67	16.91		80.0	
		Z	3.16	66.59	16.41		80.0	
10496- AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.04	65.92	15.89	2.23	80.0	± 9.6 %
		<u> </u>	3.34	67.48	16.84		80.0	
40407		Z	3.25	66.45	16.38		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.90	60.00	7.56	2.23	80.0	± 9.6 %
		Y	0.94	60.22	8.59		80.0	
10498-		Z	0.98	60.00	8.77		80.0	<u> </u>
AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.09	60.00	6.33	2.23	80.0	± 9.6 %
		Y	1.09	60.00	7.12		80.0	1
		Z	1.16	60.00	7.58		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.11	60.00	6.17	2.23	80.0	±9.6 %
		Y	1.11	60.00	6.94		80.0	
		Z	1.17	60.00	7.42		80.0	
10500- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.91	66.68	14.78	2.23	80.0	± 9.6 %
		Y	2.64	71.54	17.49		80.0	1
		Z	2.29	68.68	16.26		80.0	<b> </b>
10501- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.02	64.23	12.91	2.23	80.0	± 9.6 %
		Y	2.60	67.75	15.11		80.0	
40000		Z	2.42	66.09	14.51		80.0	
10502- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.05	64.07	12.75	2.23	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	2.63	67.51	14.92		80.0	
40500		Z	2.46	65.95	14.37		80.0	
10503- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.23	67.47	16.03	2.23	80,0	± 9.6 %
		Y	2.79	71.03	18.01		80.0	
10504-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz,	Z	2.54	68.82	16.98		80.0	
AAD	16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.48	65.75	15.00	2.23	80.0	± 9.6 %
		Y Z	2.88	68.10	16.48		80.0	
10505- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.73 2.55	66.60 65.70	15.85 14.97	2.23	80.0 80.0	± 9.6 %
		Y	2.95	67.94	16.40		80.0	L
		Z	2.81	66.54	15.82		80.0	
10506- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2.76	68.04	16.58	2.23	80.0	± 9.6 %
		Y	3.29	70.96	18.14	·····	80.0	
4050-		Ζ	3.07	69.18	17.26		80.0	
10507- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.93	65.95	15.85	2.23	80.0	± 9.6 %
		Y	3.24	67.61	16.87		80.0	<u> </u>

10508- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.03	65.86	15.84	2.23	80.0	± 9.6 %
		Y	3.33	67.40	16.79		80.0	
		Z	3.24	66.38	16.33		80.0	
10509- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.24	67.72	16.53	2.23	80.0	± 9.6 %
		Υ	3.69	69.96	17.72		80.0	
		Z	3.51	68.56	17.03		80.0	
10510- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	x	3.43	65.97	16.12	2.23	80.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	3.71	67.32	16.91		80.0	
		Z	3.64	66.47	16.52		80.0	
10511- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.52	65.89	16.12	2.23	80.0	± 9.6 %
		Y	3.78	67.15	16.86		80.0	
		Z	3.71	66.32	16.49		80.0	
10512- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.22	68.47	16.72	2.23	80.0	± 9.6 %
		Y	3.79	71.22	18.12		80.0	
		Z	3.54	69.57	17.32		80.0	
10513- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.32	66.00	16.15	2.23	80.0	± 9.6 %
		Y	3.60	67.43	16.98		80.0	
		Z	3.52	66.56	16.56		80.0	
10514- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.39	65.79	16.10	2.23	80.0	± 9.6 %
		Y	3.64	67.11	16.88		80.0	
		Z	3.57	66.28	16.49		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.88	62.44	13.81	0.00	150.0	± 9.6 %
		Y	0.96	63.62	14.88		150.0	
40540		Z	0.87	62.07	13.59	0.00	150.0	100%
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X Y	0.45	66.98 72.72	14.48	0.00	150.0	± 9.6 %
		T Z	0.65	65.95	18.47 13.66		150.0 150.0	
10517-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	X	0.42	63.68	13.66	0.00	150.0	± 9.6 %
AAA	Mbps, 99pc duty cycle)	Ŷ	0.70	65.65	15.62	0.00	150.0	1 3.0 %
		z	0.69	63.23	13.65		150.0	
10518- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.21	66.61	15.96	0.00	150.0	± 9.6 %
		Y	4.32	66.98	16.20		150.0	
		Z	4.31	66.42	15.93		150.0	
10519- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.34	66.77	16.04	0.00	150.0	± 9.6 %
		Y	4.46	67.14	16.28		150.0	
10863		Z	4.46	66.61	16.03		150.0	
10520- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.20	66.68	15.95	0.00	150.0	± 9.6 %
		Y Z	4.32	67.07	16.20	1	150.0	
10521- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	<u>4.31</u> 4.13	66.53 66.63	15.94 15.92	0.00	150.0 150.0	± 9.6 %
		Y	4.25	67.04	16.18		150.0	
		Z	4.24	66.49	15.91		150.0	
10522- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.17	66.72	15.99	0.00	150.0	±9.6%
*******		Y	4.29	67.14	16.26		150.0	
		Z	4.30	66.63	16.02	1	150.0	, <b></b>

10523- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.12	66.80	15.96	0.00	150.0	± 9.6 %
		Y	4.24	67.19	16.22	·	150.0	
		Ż	4.21	66.57	15.90		150.0	
10524- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.13	66.73	16.01	0.00	150.0	± 9.6 %
		Y	4.25	67.13	16.27		150.0	
		Z	4.25	66.57	15.99		150.0	
10525- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.18	65.86	15.65	0.00	150.0	± 9.6 %
		Y	4.29	66.26	15.91		150.0	
		Z	4.27	65.65	15.61		150.0	
10526- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.28	66.10	15.76	0.00	150.0	± 9.6 %
		Y	4.41	66.52	16.01		150.0	
10507		Z	4.40	65.94	15.73		150.0	
10527- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.22	66.07	15.69	0.00	150.0	± 9.6 %
		Y	4.34	66.49	15.96		150.0	
40505		Z	4.33	65.90	15.66		150.0	
10528- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.23	66.08	15.73	0.00	150.0	± 9.6 %
		Y	4.36	66.51	15.99		150.0	
10500		Z	4.34	65.91	15.70		150.0	
10529- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.23	66.08	15.73	0.00	150.0	± 9.6 %
		Y	4.36	66.51	15.99		150.0	
40504		Z	4.34	65.91	15.70		150.0	
10531- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.19	66.07	15.68	0.00	150.0	± 9.6 %
		Y	4.32	66.52	15.96		150.0	1
		Z	4.31	65.94	15.68		150.0	
10532- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	Х	4.08	65.93	15.61	0.00	150.0	± 9.6 %
		Y	4.20	66.39	15.90		150.0	
		Z	4.19	65.79	15.60		150.0	
10533- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	Х	4.23	66.16	15.73	0.00	150.0	±9.6 %
		Y	4.36	66.60	16.00	·	150.0	
		Z	4.35	65.98	15.69		150.0	
10534- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.82	66.10	15.85	0.00	150.0	± 9.6 %
		Y	4.91	66.46	16.04		150.0	
		Z	4.91	66.02	15.83		150.0	
10535- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.85	66.20	15.91	0.00	150.0	± 9.6 %
		Y	4.94	66.56	16.09		150.0	
40500		Z	4.97	66.17	15.90		150.0	
10536- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.74	66.19	15.87	0.00	150.0	±9.6 %
·		Y	4.84	66.58	16.08		150.0	
		Z	4.85	66.14	15.86		150.0	
10537- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.82	66.26	15.91	0.00	150.0	±9.6 %
		Y	4.91	66.59	16.08		150.0	
10500		Z	4.91	66.13	15.86		150.0	
10538- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	4.87	66.17	15.91	0.00	150.0	±9.6 %
		Y	4.97	66.52	16.09		150.0	
10515		Z	4.98	66.12	15.90		150.0	
10540- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.80	66.12	15.90	0.00	150.0	± 9.6 %
		Y	4.90	66.49	16.09		150.0	İ
	1	Z						

10541-	IEEE 802.11ac WiFi (40MHz, MCS7,	X	4.79	66,06	15.85	0,00	150.0	± 9.6 %
AAB	99pc duty cycle)							
		Y	4.89	66.43	16.04		150.0	
10510		Z	4.89	65.96	15.82		150.0	
10542- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	4.94	66.17	15.92	0.00	150.0	±9.6 %
		Y	5.04	66.51	16.10		150.0	
40540		Z	5.05	66.09	15.90	~ ~ ~ ~	150.0	
10543- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.03	66.31	16.03	0.00	150.0	±9.6 %
		Y	5.11	66.60	16.17		150.0	
10544- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	Z X	<u>5.12</u> 5.18	66.17 66.16	15.97 15.86	0.00	150.0 150.0	±9.6 %
		Y	5.26	66.52	16.02		150.0	
		Z	5,26	66.12	15.84		150.0	
10545- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.36	66.65	16.06	0.00	150.0	±9.6 %
		Y	5.42	66.93	16.19		150.0	
		Z	5.45	66.61	16.04		150.0	
10546- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.20	66.27	15.88	0.00	150.0	±9.6 %
		Y	5.29	66.63	16.05		150.0	
405.17		Z	5.29	66.25	15.87		150.0	'
10547- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.31	66.50	15.99	0.00	150.0	±9.6 %
	1	Y	5.37	66.75	16.11		150.0	
10548-	IEEE 802.11ac WiFi (80MHz, MCS4,	Z X	5.38 5.41	66.37 66.98	15.93 16.21	0.00	150.0 150.0	± 9.6 %
AAB	99pc duty cycle)	Y	5.49	67.30	16.36		150.0	
		Z	5.57	67.13	16.28		150.0	
10550- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.30	66.60	16.06	0.00	150.0	± 9.6 %
7 4 449		Y	5.35	66.83	16.16		150.0	
		Z	5.37	66.46	15.99		150.0	
10551- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.19	66.21	15.83	0.00	150.0	± 9.6 %
		Y	5.28	66.60	16.01		150.0	
		Z	5.30	66.24	15.84		150.0	
10552- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.18	66.29	15.86	0.00	150.0	± 9.6 %
		Y	5.27	66.65	16.04		150.0	
	·····	Z	5.26	66.20	15.82		150.0	
10553- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.23	66.22	15.86	0.00	150.0	± 9.6 %
		Y	5.32	66.58	16.03	ļ	150.0	
10554-	IEEE 802.11ac WiFi (160MHz, MCS0,	Z X	5.32 5.62	66.18 66.51	15.85 15.95	0.00	150.0 150.0	± 9.6 %
AAC	99pc duty cycle)	Y	5.68	66.84	16.09		150.0	
****		Z	5.69	66.48	15.94		150.0	
10555- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.69	66.71	16.04	0.00	150.0	±9.6 %
		Y	5.76	67.04	16.18		150.0	
		Z	5.79	66.75	16.05		150.0	
10556- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.75	66.88	16.11	0.00	150.0	± 9.6 %
		Y	5,80	67.16	16.23		150.0	<u> </u>
		Z	5.83	66.85	16.10		150.0	
10557- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.69	66.70	16.04	0.00	150.0	± 9.6 %
		Y	5,76	67.04	16.19	ļ	150.0	<b>_</b>
		Z	5.77	66.69	16.03		150.0	<u></u>

10558- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.67	66.68	16.05	0.00	150.0	± 9.6 %
		Y	5.76	67.07	16.22		150.0	
		Z	5.80	66.79	16.10		150.0	
10560- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.71	66.66	16.07	0.00	150.0	±9.6 %
		Y	5.79	67.02	16.23		150.0	
		Z	5.81	66.69	16.09		150.0	1
10561- AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	5.65	66.65	16.10	0.00	150.0	± 9.6 %
		Y	5.72	67.00	16.25		150.0	
		Z	5.75	66.69	16.12		150.0	
10562- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.68	66.77	16.16	0.00	150.0	± 9.6 %
		Y	5.77	67.15	16.33		150.0	
		Z	5.80	66.87	16.21		150.0	
10563- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.80	66.82	16.15	0.00	150.0	± 9.6 %
		Y	5.88	67.15	16.29		150.0	
		Z	5.91	66.85	16.17		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.52	66.62	16.09	0.46	150.0	± 9.6 %
		Y	4.63	66.97	16.32		150.0	
		Z	4.63	66.48	16.09		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	Х	4.71	67.05	16.42	0.46	150.0	± 9.6 %
		Y	4.82	67.38	16.63		150.0	1
		Z	4.83	66.91	16.42		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	4.54	66.82	16.20	0.46	150.0	± 9.6 %
-		Y	4.65	67.19	16.43		150.0	
		Z	4.66	66.71	16.22		150.0	[
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	Х	4.58	67.25	16.61	0.46	150.0	± 9.6 %
		Y	4.69	67.60	16.82		150.0	······
		Z	4.69	67.12	16.60		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.42	66.46	15.88	0.46	150.0	± 9.6 %
		Y	4.54	66.88	16.15		150.0	
		Z	4.56	66.45	15.95		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.58	67.53	16.78	0.46	150.0	± 9.6 %
		Y	4.68	67.86	16.97		150.0	
		Z	4.68	67.31	16.72		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	Х	4.57	67.27	16.64	0.46	150.0	± 9.6 %
		Y	4.68	67.61	16.85		150.0	
		Z	4.69	67.12	16.62		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	Х	0.99	62.81	14.23	0.46	130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Υ	1.09	64.12	15.35		130.0	
		Z	1.00	62.69	14.25		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.00	63.25	14.53	0.46	130.0	± 9.6 %
		Y	1.10	64.66	15.71		130.0	
40570		Z	1.00	63.12	14.54		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	0.77	71.94	17.18	0.46	130.0	± 9.6 %
		Y	1.53	83.79	23.08		130.0	
		Z	0.78	71.84	17.05		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	0.97	67.27	16.73	0.46	130.0	± 9.6 %
		Y	1.16	70.12	18.67		130.0	· · · · · · · · · · · · · · · · · · ·

10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.29	66.33	16.06	0.46	130.0	± 9.6 %
		Y	4.40	66.70	16.31		130.0	
		Z	4.41	66.24	16.12		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.32	66.56	16.16	0.46	130.0	± 9.6 %
		Y	4,43	66.92	16.41		130.0	
		Z	4.43	66.43	16.20		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	4.47	66.78	<b>1</b> 6.31	0.46	130.0	± 9.6 %
		Y	4.58	67.14	16.55		130.0	
		Z	4.60	66.69	16.36		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.38	66.93	16.42	0.46	130.0	± 9.6 %
		Y	4.49	67.29	16.66		130.0	
4.0.0000		Z	4.50	66.83	16.46		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.12	66.01	15.59	0.46	130.0	± 9.6 %
		Y	4.24	66.44	15.89		130.0	
40500		Z	4.26	65.99	15.69		130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.14	66.03	15.59	0.46	130.0	±9.6 %
		Y	4.27	66.48	15.90		130.0	
40507		Z	4.30	66.06	15.72		130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.29	67.01	16.39	0.46	130.0	± 9.6 %
		Y	4.41	67.39	16.65		130.0	
10500		Z	4.41	66.87	16.41		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.04	65.76	15.35	0.46	130.0	±9.6 %
		Y	4.17	66.20	15.67		130.0	
		Z	4.19	65.76	15.46	L	130.0	
10583- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.29	66.33	16.06	0.46	130.0	± 9.6 %
		Y	4.40	66.70	16.31		130.0	
		Z	4.41	66.24	16.12		130.0	
10584- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.32	66.56	16.16	0.46	130.0	±9.6 %
		Y	4.43	66.92	16.41		130.0	
		Z	4.43	66.43	16.20		130.0	
10585- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.47	66.78	16.31	0.46	130.0	±9.6 %
		Y	4.58	67.14	16.55		130.0	
		Z	4.60	66.69	16.36		130.0	
10586- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.38	66.93	16.42	0.46	130.0	± 9.6 %
		Y	4.49	67.29	16.66		130.0	
		Z	4.50	66.83	16.46		130.0	
10587- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.12	66.01	15.59	0.46	130.0	± 9.6 %
	an a	Y	4.24	66.44	15.89		130.0	
		Z	4.26	65.99	15.69		130.0	
10588- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.14	66.03	15.59	0.46	130.0	± 9.6 %
		Y	4.27	66.48	15.90		130.0	
10500		Z	4.30	66.06	15.72		130.0	
10589- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.29	67.01	16.39	0.46	130.0	± 9.6 %
		Y	4.41	67.39	16.65		130.0	
40500		Z	4.41	66.87	16.41		130.0	
10590- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.04	65.76	15.35	0.46	130.0	±9.6 %
		Y	4.17	66.20	15.67		130.0	
		Z	4.19	65.76	15.46		130.0	

10591-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.45	66.46	16.22	0.46	130.0	± 9.6 %
AAB	MCS0, 90pc duty cycle)		4.50	00.00	10.11		100.0	
		Y	4.56	66.80	16.44	<u> </u>	130.0	
10592- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	Z X	4.57 4.56	<u>66.34</u> 66.73	16.25 16.33	0.46	130.0 130.0	± 9.6 %
	Meet, sope duty cycley	Y	4.67	67.08	16.56		130.0	
		Z	4.69	66.64	16.38		130.0	
10593- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.47	66.59	16.17	0.46	130.0	± 9.6 %
,		Y	4.59	66.95	16.42		130.0	
		Z	4.60	66.51	16.23		130.0	
10594- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.53	66.78	16.36	0.46	130.0	±9.6 %
		Y	4.64	67.13	16.59		130.0	
40505		Z	4.66	66.69	16.40		130.0	
10595- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.49	66.75	16.26	0.46	130.0	± 9.6 %
		Y	4.61	67.12	16.50		130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.62	66.66	16.30	0.40	130.0	
AAB	MCS5, 90pc duty cycle)	X	4.42	66.68	16.23	0.46	130.0	± 9.6 %
		Y Z	<u>4.53</u> 4.55	67.07 66.62	16.49 16.29		130.0	
10597-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.35	66.54	16.29	0.46	130.0 130.0	+06%
AAB	MCS6, 90pc duty cycle)	Y	4.49	66.93	16.34	0.40	130.0	± 9.6 %
		Z	4.49	66.49	16.34		130.0	
10598- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.38	66.81	16.37	0.46	130.0	± 9.6 %
		Y	4.49	67.18	16.61		130.0	
		Z	4.50	66.72	16.41		130.0	
10599- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.17	67.00	16.56	0.46	130.0	± 9.6 %
		Y	5.23	67.23	16.68		130.0	
	· · · · · · · · · · · · · · · · · · ·	Z	5.27	66.93	16.57		130.0	
10600- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.26	67.35	16.71	0.46	130,0	±9.6 %
		Y	5.31	67.52	16.80		130.0	
40004		Z	5.40	67.37	16.76		130.0	
10601- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	×	5.19	67.20	16.65	0.46	130.0	± 9.6 %
		Y	5.24	67.37	16.74		130.0	
10602- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	Z	<u>5.28</u> 5.24	67.08 67.11	16.63 16.52	0.46	130.0 130.0	± 9.6 %
		Y	5.31	67.34	16.64		130.0	
		Z	5.41	67.24	16.63		130.0	
10603- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.29	67.35	16.79	0.46	130.0	± 9.6 %
		Y	5.38	67.63	16.93		130.0	
40001		Z	5.49	67.59	16.94		130.0	
10604- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.15	66.85	16.51	0.46	130.0	± 9.6 %
		<u> </u>	5.25	67.21	16.70		130.0	
10605-		Z	5.37	67.21	16.74		130.0	
AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.23	67.14	16.65	0.46	130.0	± 9.6 %
		Y	5.30	67.39	16.79		130.0	·
10606-	IEEE 802.11n (HT Mixed, 40MHz,	Z X	5.38 5.05	67.23	16.74	0.40	130.0	
AAB	MCS7, 90pc duty cycle)			66.67	16.26	0.46	130.0	± 9.6 %
		Y	5.11	66.89	16.39		130.0	
		Z	5.14	66.57	16.26		130.0	

10607- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.30	65.79	15.85	0.46	130.0	± 9.6 %
		Y	4.41	66.18	16.11		130.0	
	<u></u>	z	4.41	65.65	15.87		130.0	
10608- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.42	66.08	15.98	0.46	130.0	± 9.6 %
		Y	4.54	66.48	16.24		130.0	
		Z	4.55	65.99	16.03		130.0	
10609- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.32	65.89	15.79	0.46	130.0	± 9.6 %
		Y	4.44	66.32	16.07		130.0	
		Z	4.44	65.81	15.84		130.0	
10610- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.37	66.08	15.98	0.46	130.0	± 9.6 %
		Y	4.49	66.49	16.24		130.0	
		Z	4.49	65.99	16.01		130.0	
10611- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.28	65.85	15.80	0.46	130.0	± 9.6 %
		Y	4.40	66.28	16.08		130.0	
		Z	4.41	65.78	15.85		130.0	
10612- AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.26	65.94	15.82	0.46	130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.39	66.39	16.11		130.0	
		Z	4.40	65.90	15.88		130.0	
10613- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	x	4.25	65.75	15.65	0.46	130.0	± 9.6 %
		Y	4.38	66.20	15.95		130.0	
		Z	4.40	65.73	15.73		130.0	
10614- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.24	66.02	15.94	0.46	130.0	± 9.6 %
		Y	4.36	66.46	16.22		130.0	
		Z	4.36	65.95	15.99		130.0	
10615- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.26	65.66	15.54	0.46	130.0	± 9.6 %
		Y	4.39	66.11	15.84		130.0	
		Z	4.40	65.60	15.61		130.0	·····
10616- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	4.95	66.09	16.09	0.46	130.0	± 9.6 %
		Y	5.04	66.42	16.27		130.0	
		Z	5.06	66.06	16.12		130.0	
10617- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	4.98	66.18	16.11	0.46	130.0	± 9.6 %
		Y	5.07	66.52	16.29		130.0	
*****		Z	5.13	66.25	16.19		130.0	
10618- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	×	4.89	66.22	16.14	0.46	130.0	± 9.6 %
		Y	4.99	66.61	16.35		130.0	
		Z	5.02	66.28	16.21		130.0	
10619- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	Х	4.94	66.16	16.04	0.46	130.0	± 9.6 %
		Y	5.01	66.45	16.21		130.0	
		Z	5.04	66.09	16.05		130.0	
10620- AAB	IEEE 802.11ac WIFI (40MHz, MCS4, 90pc duty cycle)	X	4.98	66.07	16.05	0.46	130.0	± 9.6 %
		Y	5.08	66.42	16.24		130.0	
		Z	5.12	66.10	16.11		130.0	
10621- AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.00	66.21	16.25	0.46	130.0	± 9.6 %
		Y	5.09	66.55	16.43		130.0	
		Z	5.12	66.22	16.29		130.0	
10622- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	4. <del>9</del> 8	66.29	16.29	0.46	130.0	± 9.6 %
		Y	5.08	66.63	16.46		130.0	
		Z	5.11	66.32	16.34		130.0	1

10623- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	4.88	65.86	15.92	0.46	130.0	± 9.6 %
·····		Y	4.97	66.20	16.11		130.0	
		Z	4.99	65.82	15.95		130.0	
10624- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.07	66.13	16.12	0.46	130.0	±9.6 %
		Y	5.16	66.45	16.30		130.0	
		Z	5.20	66.12	16.17		130.0	
10625- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.18	66.36	16.31	0.46	130.0	± 9.6 %
		Y	5.24	66.57	16.42		130.0	
10626- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	Z X	5.32 5.30	66.38 66.10	16.36 16.05	0.46	130.0 130.0	± 9.6 %
		Y	5.38	66.44	16.22		130.0	
		Z	5.40	66.12	16.09		130.0	
10627- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.53	66.77	16.36	0.46	130.0	± 9.6 %
		Y	5.59	67.01	16.48		130.0	
		Z	5.65	66.81	16.41		130.0	
10628- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.29	66.06	15.93	0.46	130.0	± 9.6 %
		Y	5.37	66.41	16.10		130.0	
		Z	5.40	66.11	15.98		130.0	
10629- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.43	66.42	16.11	0.46	130.0	± 9.6 %
		Y	5.47	66.61	16.20		130.0	
		Z	5.50	66.31	16.08		130.0	
10630- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.59	67.09	16.45	0.46	130.0	± 9.6 %
		Y	5.66	67.38	16.59		130.0	
		Z	5.82	67.46	16.66		130.0	
10631- AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.58	67.18	16.70	0.46	130.0	± 9.6 %
		Y	5.66	67.50	16.84		130.0	
40000		Z	5.74	67.33	16.79		130.0	
10632- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.57	67.09	16.67	0.46	130.0	±9.6 %
		Y	5.60	67.22	16.72		130.0	
40000		Z	5.64	66.96	16.63		130.0	[
10633- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.30	66.12	16.00	0.46	130.0	± 9.6 %
		Y	5.39	66.49	16.18	ļ	130.0	
10634- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	<u>5.45</u> 5.34	<u>66.28</u> 66.35	<u>16.11</u> 16.17	0.46	130.0 130.0	±9.6 %
		Y	5.43	66.70	16.34		130.0	
		Z	5.44	66.35	16.20	1	130.0	
10635- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.19	65.54	15.47	0.46	130.0	± 9.6 %
		Y	5.28	65.93	15.68		130.0	
		Z	5.31	65.62	15.55		130.0	
10636- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.75	66.48	16.16	0.46	130.0	± 9.6 %
		Y	5.81	66.78	16.30		130.0	
40007		Z	5.84	66.50	16.20		130.0	
10637- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.86	66.76	16.29	0.46	130.0	± 9.6 %
		Y	5.91	67.05	16.42		130.0	
40000		Z	5.98	66.87	16.37	L	130.0	
10638- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	Х	5.90	66.89	16.33	0.46	130.0	± 9.6 %
		Y	5.95	67.16	16.45		130.0	
		Z	5.98	66.88	16.35		130.0	1

10639-	IEEE 802.11ac WiFI (160MHz, MCS3,	X	5.83	66.70	16.28	0.46	130.0	±9.6 %
AAC	90pc duty cycle)				10.10			
		Y Z	5.90 5.94	67.02	16.42		130.0	
10640-	IEEE 802.11ac WiFi (160MHz, MCS4,	$\frac{2}{x}$	<u> </u>	66.76 66.49	16.33 16.12	0.46	130.0 130.0	± 9.6 %
AAC	90pc duty cycle)					0,40		I9.0 %
		Y	5.85	66.88	16.30		130.0	
10014		Z	5.92	66.69	16.24	<u> </u>	130.0	
10641- AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.90	66.70	16.24	0.46	130.0	± 9.6 %
		Y	5.96	66.97	16.37		130.0	
10642-		ZX	6.02	66.77	16.30	0.40	130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)		5.91	66.85	16.49	0.46	130.0	± 9.6 %
	······································	Y	5.98	67.18	16.64		130.0	
40040		Z	6.03	66.94	16.56		130.0	
10643- AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.75	66.52	16.20	0.46	130.0	± 9.6 %
		Y	5.83	66.86	16.37		130.0	
		Z	5.88	66.65	16.30		130.0	
10644- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.80	66.66	16.30	0.46	130.0	±9.6 %
		Y	5.88	67.03	16.47		130.0	
		Z	5.94	66.85	16.42		130.0	
10645- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	5.94	66.78	16.33	0.46	130.0	± 9.6 %
		Y	6.00	67.06	16.46		130.0	
		Z	6.15	67.15	16.54		130.0	
10646- AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	5.05	83.78	28.65	9.30	60.0	± 9.6 %
		Y	6.98	93.27	32,89		60.0	
		Z	7.15	91.85	32.42		60.0	
10647- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	4.54	81.82	27.99	9.30	60.0	±9.6 %
		Y	5.99	90.07	31.84		60.0	
		Z	6.33	89.46	31.67		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.37	60.00	6,05	0.00	150.0	± 9.6 %
		Y	0.48	61.63	8.16		150.0	
		Z	0.43	60.11	6.90		150.0	
10652- AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	2.93	65.21	15.11	2.23	80.0	± 9.6 %
		Y	3.20	66.58	16.05		80.0	
		Z	3.10	65.44	15.57		80.0	
10653- AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.55	64.93	15.73	2.23	80.0	± 9.6 %
		Y	3.74	65.80	16.31		80.0	
		Ż	3.68	65.02	15.99		80.0	
10654- AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.60	64.60	15.83	2.23	80.0	± 9.6 %
	······································	Y	3.76	65.39	16.34		80.0	
		Z	3.70	64.69	16.04		80.0	
10655- AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.69	64.52	15.89	2.23	80.0	± 9.6 %
		Y	3.83	65.30	16.38		80.0	
		Z	3.78	64.64	16.09		80.0	<u> </u>
10658- AAA	Pulse Waveform (200Hz, 10%)	X	3.48	68.63	11.85	10.00	50.0	± 9.6 %
		Y	5.65	74.45	13.80		50,0	
		Z	7.21	77.53	15.77		50.0	1
10659-	Pulse Waveform (200Hz, 20%)	X	2.03	66.95	10.03	6.99	60.0	± 9.6 %
		1 1		ŧ		1		1
AAA		Y	100.00	101.12	19.79		60.0	

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10660- AAA	Pulse Waveform (200Hz, 40%)	X	0.68	62.61	6.79	3.98	80.0	± 9.6 %
		Y	100.00	101.16	18.64		80.0	
		Z	100.00	99.78	18.10		80.0	
10661- AAA	Pulse Waveform (200Hz, 60%)	X	0.25	60.00	4.25	2.22	100.0	± 9.6 %
		Y	100.00	102.31	18.13		100.0	
		Z	0.28	60.39	4.93		100.0	
10662- AAA	Pulse Waveform (200Hz, 80%)	X	6.06	60.21	1.38	0.97	120.0	± 9.6 %
		Y	100.00	96.37	14.68		120.0	
		Z	9.95	60.38	1.42		120.0	

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

#### **Calibration Laboratory of** Schmid & Partner **Engineering AG** Zeughausstrasse 43, 8004 Zurich, Switzerland





S

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Client PC Test Certificate No: EX3-7417_Feb19

# **CALIBRATION CERTIFICATE**

Object	EX3DV4 - SN:7417	
Calibration procedure(s)	OA CAL-01 -9 - QA CAL-23 v5, QA CAL-25 v7 Calbration procedure for desimetric E-field probes	
Calibration date:	February 19, 2019	q
	ents the traceability to national standards, which realize the physical units of measurements (SI). tainties with confidence probability are given on the following pages and are part of the certificate.	

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
			VE
Approved by:	Katja Pokovic	Technical Manager	Jel UG-
			Issued: February 20, 2019

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

## Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



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## Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization 9	$\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
<b>•</b> • • •	

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system

### Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

### Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx, y, z are only intermediate values, i.e., the uncertainties of NORMx, y, z does not affect the E²-field uncertainty inside TSL (see below *ConvF*).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- *DCPx,y,z*: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- *PAR:* PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. *VR* is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.54	0.43	0.53	± 10.1 %
DCP (mV) ⁸	98.7	97.4	100.4	

#### **Calibration Results for Modulation Response**

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1,00	0.00	144.6	± 3.3 %	±4.7 %
		Y	0.00	0.00	1.00		149.7		
		Z	0.00	0.00	1.00		143.1		
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	88.38	19.65	10.00	60.0	± 3.3 %	±9.6 %
AAA		Y	4.33	71.38	13.30		60.0		
		Z	7.40	77.44	14.95		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	92.19	20.43	6.99	80.0	± 2.2 %	± 9.6 %
AAA		Y	5.53	76.01	13.64		80.0		
		Z	15.00	85.74	16.43		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	107.68	26.54	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Y	9.05	79.53	12.66		95.0		
		Z	15.00	90.71	17.41		95.0	l	
10355-	Pulse Waveform (200Hz, 60%)	X	15.00	127.17	33.83	2.22	120.0	± 1.2 %	± 9.6 %
AAA		Y	0.26	60.00	4.45		120.0		
		Z	15.00	99.84	20.30		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.56	60.62	7.74	0.00	150.0	± 3.6 %	± 9.6 %
AAA		Y	0.42	60.00	4.69		150.0		
		Ž	0.44	60.00	5.48		150.0		
10388-	QPSK Waveform, 10 MHz	Х	2.27	69.09	16.46	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Y	1.94	67.43	15.43		150.0		
		Z	2.06	68.27	16.05		150.0		
10396-	64-QAM Waveform, 100 kHz	X	3.15	72.71	19.95	3.01	150.0	± 2.5 %	± 9.6 %
AAA		Y	2.04	67.08	18.19		150.0		
		Z	2.07	66.03	16.88		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.52	67.53	16.10	0.00	150.0	± 2.4 %	± 9.6 %
AAA		Y	3.32	66.83	15.68		150.0		
		Ž	3.38	67.15	15.89		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.80	65.90	15.74	0.00	150.0	± 4.4 %	± 9.6 %
AAA		Y	4.58	65.58	15.59		150.0		
		Z	4.60	65.76	15.65		150.0		

Note: For details on UID parameters see Appendix

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

^B Numerical linearization parameter: uncertainty not required. ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V⁻²	T2 ms.V⁻¹	T3 ms	T4 V⁻²	T5 V ⁻¹	Т6
X	37.6	279.10	35.33	9.45	0.00	5.09	1.69	0.14	1.01
Y	29.6	227.60	37.50	5.19	0.43	5.04	0.00	0.16	1.01
Z	28.8	214.34	35.37	6.91	0.00	5.04	0.00	0.24	1.00

#### **Sensor Model Parameters**

## **Other Probe Parameters**

Triangular
120.5
enabled
disabled
337 mm
10 mm
9 mm
2.5 mm
1 mm
1 mm
1 mm
1.4 mm

f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.36	10.36	10.36	0.54	0.99	± 12.0 %
835	41.5	0.90	10.07	10.07	10.07	0.48	0.84	± 12.0 %
1750	40.1	1.37	8.39	8.39	8.39	0.38	0.85	± 12.0 %
1900	40.0	1.40	8.11	8.11	8.11	0.39	0.84	± 12.0 %
2300	39.5	1.67	7.73	7.73	7.73	0.30	0.93	± 12.0 %
2450	39.2	1.80	7.46	7.46	7.46	0.39	0.95	± 12.0 %
2600	39.0	1.96	7.17	7.17	7.17	0.31	1.05	± 12.0 %

## **Calibration Parameter Determined in Head Tissue Simulating Media**

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The Frequency validity above sub MHz of  $\pm$  100 MHz only applies for DAST v4.4 and higher (see Page 2), else it is restricted to  $\pm$  50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is  $\pm$  10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$  110 MHz.

measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (c and o) is restricted to ± 5%. The uncertainty is the RSS of

the ConvF uncertainty for indicated target tissue parameters. ⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

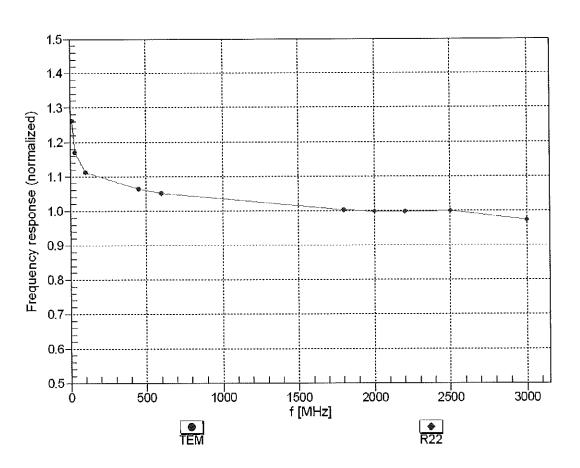
			-		-			
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.35	10.35	10.35	0.63	0.84	± 12.0 %
835	55.2	0.97	10.11	10.11	10.11	0.43	0.84	± 12.0 %
1750	53.4	1.49	8.21	8.21	8.21	0.43	0.88	± 12.0 %
1900	53.3	1.52	7.86	7.86	7.86	0.43	0.87	± 12.0 %
2300	52.9	1.81	7.64	7.64	7.64	0.41	0.93	± 12.0 %
2450	52.7	1.95	7.51	7.51	7.51	0.40	0.95	± 12.0 %
2600	52.5	2.16	7.37	7.37	7.37	0.33	1.05	± 12.0 %

### Calibration Parameter Determined in Body Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) is restricted to  $\pm$  5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

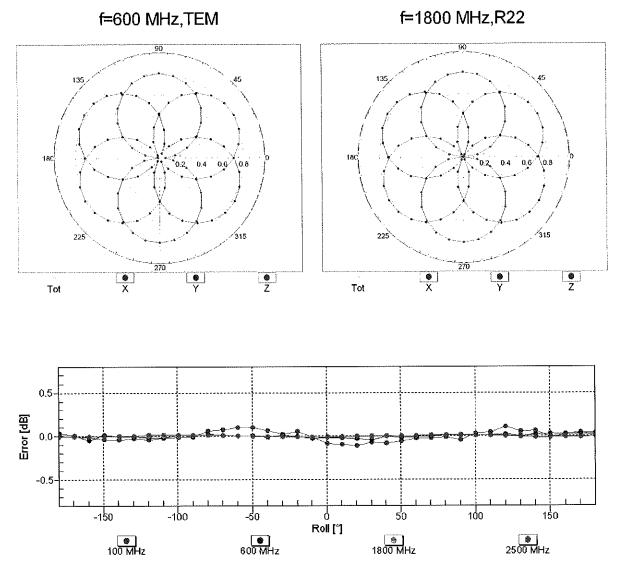
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than  $\pm$  1% for frequencies below 3 GHz and below  $\pm$  2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

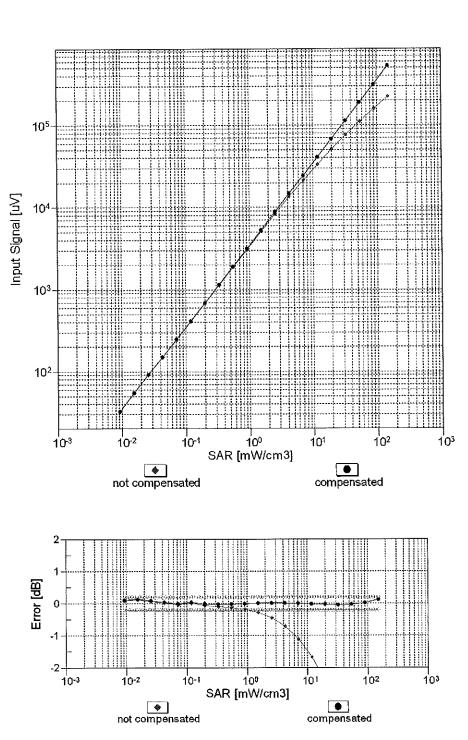
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

Certificate No: EX3-7417_Feb19



# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

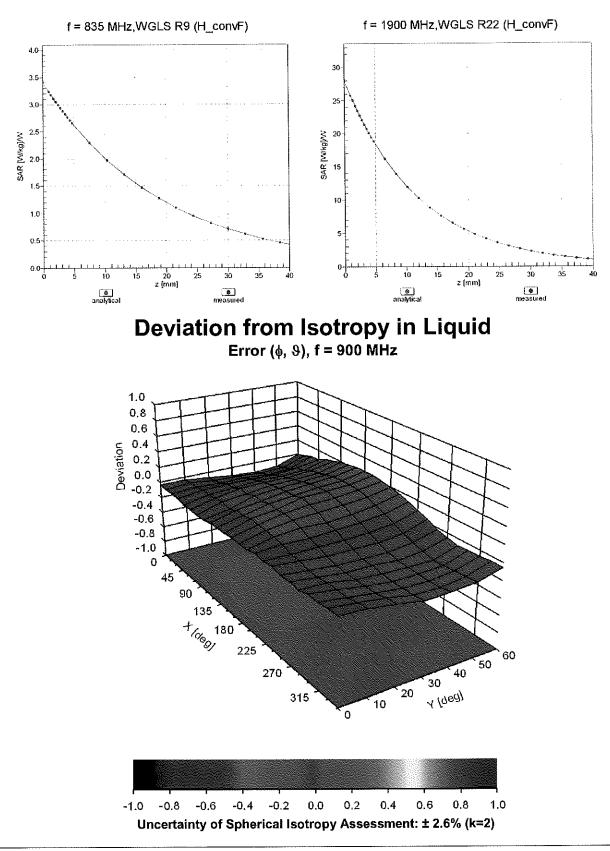
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)



Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)

Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Certificate No: EX3-7417_Feb19



# **Conversion Factor Assessment**

# Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0		CW	CW	0.00	±4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	±9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6%
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6%
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6%
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6 %
10075	CAB	IEEE 802.11g WiFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6%
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
			LTE-TDD		
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)		10.01	± 9.6 %

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10109         CAG         LTE-FDD         56.47         ± 96.%           10110         CAG         LTE-FDD         56.75         ± 96.%           101112         CAG         LTE-FDD         56.75         ± 96.%           10112         CAG         LTE-FDD         56.75         ± 96.%           10113         CAG         LTE-FDD         55.97         ± 96.%           10113         CAG         LTE-FDD         55.97         ± 96.%           10113         CAG         LTE-FDD         55.97         ± 96.%           10113         CAG         LEEE 802.11n (HT Greenfield, 81.5Mbps, 80-CAM)         WLAN         8.10         ± 98.5%           10116         CAG         LEEE 802.11n (HT Meed, 135 Mbps, 80-CAM)         WLAN         8.03         ± 80.5%           10113         CAG         LEEE 802.11n (HT Meed, 135 Mbps, 80-CAM)         WLAN         8.03         ± 80.5%           10114         CAG         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 40-CAM)         WLAN         8.03         ± 80.5%           10114         CAG         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 40-CAM)         LTE-FDD         6.32         ± 80.5%           10141         CAG         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 40-CAM)         LTE-FDD <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>				-		
10111         CAG         LTE-EDD (SC-FDMA, 100% RE, 5 MHz, 16-CAM)         LTE-FDD (S.59)         ±9.8 %           10112         CAG         LTE-EDD (SC-FDMA, 100% RE, 5 MHz, 64-CAM)         LTE-FDD (S.59)         ±9.8 %           10113         CAG         LEEE 802.11n (HT Greenfield, 81 Mbps, 16-CAM)         WLAN         8.10         ±3.8 %           10116         CAG         LEEE 802.11n (HT Greenfield, 81 Mbps, 16-CAM)         WLAN         8.46         ±3.8 %           10116         CAG         LEEE 802.11n (HT Mseed, 13.5 Mbps, 16-CAM)         WLAN         8.59         ±3.8 %           10117         CAG         LEEE 802.11n (HT Mseed, 13.6 Mbps, 16-CAM)         WLAN         8.59         ±3.8 %           10118         CAG         LEEE 802.11n (HT Mseed, 13.6 Mbps, 16-CAM)         WLAN         8.59         ±3.8 %           10141         CAE         LTE-FDD (SC-FDMA, 100% KB, 13.MHz, 16-CAM)         LTE-FDD         6.43         ±3.8 %           10142         CAE         LTE-FDD (SC-FDMA, 100% KB, 3.MHz, 16-CAM)         LTE-FDD         5.73         ±3.8 %           10142         CAE         LTE-FDD (SC-FDMA, 100% KB, 3.MHz, 16-CAM)         LTE-FDD         5.73         ±3.8 %           10144         CAE         LTE-FDD (SC-FDMA, 100% KB, 3.MHz, 16-CAM)         LTE-FDD <t< td=""><td>10109</td><td>CAG</td><td>LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)</td><td>LTE-FDD</td><td>6.43</td><td>±9.6%</td></t<>	10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6%
10112         CAG         L'TE-FDD         SC-FDAA         100F RS, 5 MHz, 64-OAM)         L'TE-FDD         6.62         ±9.8 %           10113         CAG         L'TE-FDD         SC-FDAA         100F RS, 5 MHz, 64-OAM)         ULAN         8.62         ±9.8 %           10114         CAC         L'EEE B02.11n (HT Greenfield, 135 Mbps, BPSK)         WLAN         8.46         ±9.8 %           10116         CAC         L'EEE B02.11n (HT Greenfield, 135 Mbps, BPSK)         WLAN         8.47         ±9.8 %           10116         CAC         L'EEE B02.11n (HT Maxd, 31 Mbps, 80-OAM)         WLAN         8.13         ±9.6 %           10118         CAC         L'EEE B02.11n (HT Maxd, 31 Mbps, 80-OAM)         WLAN         8.13         ±9.6 %           10118         CAC         L'EE FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)         UTE-FDD         6.33         ±9.6 %           10141         CAE         L'TE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM)         UTE-FDD         6.35         ±9.6 %           10142         CAE         L'TE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM)         UTE-FDD         6.35         ±9.6 %           10144         CAE         L'TE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-OAM)         UTE-FDD         6.56         ±9.6 %           10144         CAE <td>10110</td> <td>CAG</td> <td></td> <td></td> <td></td> <td>and the second se</td>	10110	CAG				and the second se
10113         CAG         LTE-FDD         6.82         ± 9.8 %           10114         CAC         LEEE 802.11n (HT Greenfield, 13.5 Mbps, 19-GAM)         WLAN         8.10         ± 9.8 %           10116         CAC         LEEE 802.11n (HT Greenfield, 13.5 Mbps, 49-GAM)         WLAN         8.10         ± 9.8 %           10117         CAC         LEEE 802.11n (HT Mixed, 13.5 Mbps, 49-GAM)         WLAN         8.57         ± 9.8 %           10118         CAC         LEEE 802.11n (HT Mixed, 13.5 Mbps, 64-GAM)         WLAN         8.59         ± 9.6 %           10140         CAC         LEEE 802.11n (HT Mixed, 13.5 Mbps, 64-GAM)         WLAN         8.51         ± 9.6 %           10141         CAC         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-GAM)         LTE-FDD (S.53         ± 9.6 %           10142         CAE         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-GAM)         LTE-FDD (S.53         ± 9.6 %           10144         CAE         LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0PSK)         LTE-FDD (S.51         ± 9.6 %           10144         CAE         LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0PSK)         LTE-FDD (S.61         ± 9.6 %           10144         CAE         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)         LTE-FDD (S.62         ± 9.6 %           10144         CAE <td>10111</td> <td>CAG</td> <td></td> <td></td> <td></td> <td></td>	10111	CAG				
10114         CAC         TEEE 802.11n (HT Generifield, 31 Mbps, 16-OAM)         WLAN         8.46         ± 9.8 %           10116         CAC         IEEE 802.11n (HT Generifield, 135 Mbps, 86-OAM)         WLAN         8.46         ± 9.8 %           10116         CAC         IEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM)         WLAN         8.17         ± 9.8 %           10118         CAC         IEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM)         WLAN         8.13         ± 9.6 %           10118         CAC         IEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM)         UTE-FDD         6.33         ± 9.6 %           10140         CAE         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)         LTE-FDD         6.33         ± 9.6 %           10141         CAE         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 04-OAM)         LTE-FDD         6.35         ± 9.6 %           10142         CAE         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 04-OAM)         LTE-FDD         6.85         ± 9.6 %           10146         CAF         LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-OAM)         LTE-FDD         6.86         ± 9.6 %           10147         CAE         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM)         LTE-FDD 6.42         ± 9.6 %           10146         CAF         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM) <td< td=""><td>10112</td><td>CAG</td><td></td><td></td><td></td><td></td></td<>	10112	CAG				
10116         CAC         IEEE 802.11n (HT Greenfield, 35 Mbps, 46-CAM)         WLAN         8.46         ± 9.8 %           10117         CAC         IEEE 802.11n (HT Moed, 135 Mbps, 92-SA)         WLAN         8.07         ± 9.8 %           10118         CAC         IEEE 802.11n (HT Moed, 135 Mbps, 94-CAM)         WLAN         8.90         ± 9.8 %           10119         CAC         IEEE 802.11n (HT Moed, 135 Mbps, 94-CAM)         WLAN         8.90         ± 9.8 %           10140         CAE         ITEF-DD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)         UTE-FDD         6.49         ± 9.8 %           10141         CAE         ITEF-DD (SC-FDMA, 100% RB, 13 MHz, 16-CAM)         UTE-FDD         5.3         ± 9.6 %           10142         CAE         ITEF-DD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)         UTE-FDD         5.76         ± 9.6 %           10143         CAE         ITEF-DD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)         UTE-FDD         6.41         ± 9.6 %           10146         CAE         ITEF-DD (SC-FDMA, 100% RB, 12 MHz, 16-CAM)         UTE-FDD         6.41         ± 9.6 %           10146         CAE         ITEF-DD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)         ITEF-DD 6.42         ± 9.6 %           10146         CAE         ITEF-DD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)         ITEF-	10113	CAG				
10116         CAC         LEE 802.11n (LT Greenfield, 135 Mbps, 64-CAM)         WLAN         8.15         ± 9.8 %           10117         CAC         IEEE 802.11n (LT Mixed, 81 Mbps, 16-CAM)         WLAN         8.07         ± 9.8 %           10118         CAC         IEEE 802.11n (LT Mixed, 81 Mbps, 16-CAM)         WLAN         8.13         ± 9.8 %           10140         CAE         IEEE 802.11n (LT Mixed, 81 Mbps, 16-CAM)         UTE-FDD         6.49         ± 9.8 %           10141         CAE         ITE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)         UTE-FDD         6.53         ± 9.6 %           10142         CAE         ITE-FDD (SC-FDMA, 100% RB, 3 MHz, 04-CAM)         UTE-FDD         6.85         ± 9.6 %           10142         CAE         ITE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)         ITE-FDD         6.86         ± 9.6 %           10145         CAE         ITE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)         ITE-FDD         6.87         ± 9.8 %           10147         CAE         ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)         ITE-FDD         6.86         ± 9.8 %           10147         CAE         ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)         ITE-FDD         6.61         ± 9.8 %           10146         CAE         ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) <td>10114</td> <td>CAC</td> <td></td> <td></td> <td></td> <td></td>	10114	CAC				
10117         CAC         LEEE 802.11n (LT Mixed, 13.5 Mbps, BPSK)         WLAN         8.07         ± 9.8 %           10118         CAC         LEEE 802.11n (LT Mixed, 135 Mbps, 64-OAM)         WLAN         8.59         ± 9.8 %           10140         CAC         LEEE 802.11n (LT Mixed, 135 Mbps, 64-OAM)         UTE-FDD         6.49         ± 9.8 %           10141         CAE         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)         LTE-FDD         5.73         ± 9.8 %           10142         CAE         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM)         LTE-FDD         5.73         ± 9.8 %           10143         CAE         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM)         LTE-FDD         6.65         ± 9.8 %           10144         CAE         LTE-FDD (SC-FDMA, 100% RB, 1 A MHz, 16-OAM)         LTE-FDD         6.61         ± 9.8 %           10146         CAF         LTE-FDD (SC-FDMA, 100% RB, 1 A MHz, 16-OAM)         LTE-FDD         6.42         ± 9.8 %           10147         CAF         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM)         LTE-FDD         6.42         ± 9.8 %           10146         CAF         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM)         LTE-FDD         6.42         ± 9.8 %           10147         CAG         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM)	10115	CAC				
10118         CAC         IEEE 802.11n (ITT Mixed, 81 Mbps, 16-CAM)         WLAN         8.59         ± 9.6 %           10140         CAE         LTEFEDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM)         LTEFEDD         6.49         ± 9.6 %           10141         CAE         LTEFED (SC-FDMA, 100% RB, 31 MHz, 64-CAM)         LTEFEDD         5.73         ± 9.6 %           10142         CAE         LTEFED (SC-FDMA, 100% RB, 31 MHz, 64-CAM)         LTEFEDD         5.73         ± 9.6 %           10143         CAE         LTEFEDD (SC-FDMA, 100% RB, 31 MHz, 64-CAM)         LTEFEDD         5.76         ± 9.6 %           10144         CAE         LTEFEDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)         LTEFEDD         5.76         ± 9.6 %           10147         CAF         LTEFEDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM)         LTEFEDD         6.72         ± 9.6 %           10147         CAF         LTEFEDD (SC-FDMA, 00% RB, 20 MHz, 16-CAM)         LTEFEDD         6.42         ± 9.6 %           10146         CAE         LTEFEDD (SC-FDMA, 00% RB, 20 MHz, 16-CAM)         LTEFEDD         6.42         ± 9.6 %           10146         CAE         LTEFEDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)         LTEFEDD         6.42         ± 9.6 %           10147         CAE         LTEFEDD (SC-FDMA, 50% RB, 20 MHz, 16-C	10116	CAC				
10110         CAC         IEEE 802.11n (IFT Mixed, 135 Mbps, 64-CAM)         WLAN         8.13         29.8 %           10140         CAE         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 44-CAM)         LTE-FDD         6.53         29.8 %           10141         CAE         LTE-FDD (SC-FDMA, 100% RB, 31 MHz, 16-CAM)         LTE-FDD         6.73         29.8 %           10142         CAE         LTE-FDD (SC-FDMA, 100% RB, 31 MHz, 16-CAM)         LTE-FDD         6.86         29.8 %           10144         CAE         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-CAM)         LTE-FDD         6.76         19.8 %           10144         CAF         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-CAM)         LTE-FDD         6.72         19.8 %           10147         CAF         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-CAM)         LTE-FDD         6.72         19.8 %           10147         CAF         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-CAM)         LTE-FDD         6.42         9.8 6 %           10151         CAG         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 4C-CAM)         LTE-FDD         6.76         19.8 %           10152         CAG         LTE-FDD MA, 50% RB, 10 MHz, 46-CAM)         LTE-FDD         6.76         19.8 %           10152         CAG         LTE-FDD MA, 50% RB, 10 MHZ, 40-CAM)	10117	CAC				
TOTAD         CALE         ITTE-FDD         6.49         ±9.8 %           10141         CALE         ITTE-FDD         6.53         ±9.6 %           10142         CAE         ITTE-FDD         100% RB, 3 MHz, QFSK)         ITTE-FDD         6.53         ±9.6 %           10143         CAE         ITTE-FDD         100% RB, 3 MHz, QFSK)         ITTE-FDD         6.66         ±9.6 %           10144         CAE         ITTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QFSK)         ITTE-FDD         6.76         ±9.6 %           10145         CAF         ITTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, GF2AM)         ITTE-FDD         6.72         ±9.6 %           10146         CAF         ITTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, GF2AM)         ITTE-FDD         6.72         ±9.6 %           10147         CAF         ITTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)         ITTE-FDD         6.72         ±9.6 %           10151         CAG         ITTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)         ITE-FDD         6.72         ±9.6 %           10152         CAG         ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)         ITE-FDD         6.42         ±9.6 %           10153         CAG         ITE-FDD (SC-FDMA, 50% RB, 10 MHz, GPSK)         ITE-FDD         5.05 %         ±9.6 %	10118					
10141         CAE         ITE-FDD         6.53         ± 9.8 %           10142         CAE         ITE-FDD         SC-FDMA, 100% RB, 3 MHz, 16-CAM)         ITE-FDD         6.73         ± 9.8 %           10143         CAE         ITE-FDD         SC-FDMA, 100% RB, 3 MHz, 16-CAM)         ITE-FDD         6.85         ± 9.6 %           10144         CAE         ITE-FDD         SC-FDMA, 100% RB, 14 MHz, 16-CAM)         ITE-FDD         5.76         ± 9.6 %           10146         CAF         ITE-FDD         SC-FDMA, 100% RB, 14 MHz, 16-CAM)         ITE-FDD         6.71         ± 9.6 %           10147         CAF         ITE-FDD (SC-FDMA, 00% RB, 14 MHz, 16-CAM)         ITE-FDD         6.72         ± 9.6 %           10147         CAF         ITE-FDD (SC-FDMA, 60% RB, 20 MHz, 64-CAM)         ITE-FDD         6.60         ± 9.6 %           10151         CAG         ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-CAM)         ITE-FDD         5.76         ± 9.6 %           10152         CAG         ITE-FDD (SC-FDMA, 50% RB, 10 MHz, 0FSK)         ITE-FDD         6.60         ± 9.6 %           10153         CAG         ITE-FDD (SC-FDMA, 50% RB, 10 MHz, 0FSK)         ITE-FDD         5.75         ± 9.6 %           10154         CAG         ITE-FDD (SC-FDMA, 50% RB, 10 MHz, 0F						
10142         CAE         LTE-FDD         5.73         ± 9.6 %           10143         CAE         LTE-FDD         6.53         ± 9.6 %           10144         CAE         LTE-FDD         6.65         ± 9.6 %           10144         CAE         LTE-FDD         6.65         ± 9.6 %           10146         CAF         LTE-FDD         6.65         ± 9.6 %           10146         CAF         LTE-FDD         6.67         ± 9.6 %           10147         CAF         LTE-FDD         6.72         ± 9.6 %           10147         CAF         LTE-FDD         (5C-FDMA, 100% R8, 14 MHz, 16-QAM)         LTE-FDD         6.72         ± 9.6 %           10149         CAE         LTE-FDD         (5C-FDMA, 50% R8, 20 MHz, 16-QAM)         LTE-FDD         6.60         ± 9.6 %           10151         CAG         LTE-FDD         (5C-FDMA, 50% R8, 20 MHz, 16-QAM)         LTE-FDD         6.60         ± 9.6 %           10152         CAG         LTE-FDD         (5C-FDMA, 50% R8, 10 MHz, 0PSK)         LTE-FDD         5.73         ± 9.6 %           10153         CAG         LTE-FDD         (5C-FDMA, 50% R8, 10 MHz, 0PSK)         LTE-FDD         5.78         ± 9.6 %           10156         CAG						
10143         CAE         LTE-FDD         6.35         ± 9.6 %           10144         CAE         LTE-FDD         6.65         ± 9.6 %           10145         CAF         LTE-FDD         5.76         ± 9.6 %           10146         CAF         LTE-FDD         5.76         ± 9.6 %           10146         CAF         LTE-FDD         5.76         ± 9.6 %           10147         CAF         LTE-FDD         6.72         ± 9.6 %           10147         CAF         LTE-FDD         6.72         ± 9.6 %           10146         CAE         LTE-FDD         6.72         ± 9.6 %           10150         CAE         LTE-FDD         (6.2 + 9.6 %)         LTE-FDD         6.42         ± 9.6 %           10151         CAG         LTE-TDD         (6.2 + 9.6 %)         LTE-FDD         6.42         ± 9.6 %           10152         CAG         LTE-TDD         (6.2 + 9.6 %)         LTE-FDD         6.43         ± 9.6 %           10153         CAG         LTE-FDD         (6.2 + 9.6 %)         LTE-FDD         6.43         ± 9.6 %           10156         CAG         LTE-FDD         (6.2 + 9.6 %)         LTE-FDD         6.42         ± 9.6 %						
10144         CAE         LTE-FDD         66.65         19.6%           10145         CAF         LTE-FDD         6.67         19.6%           10146         CAF         LTE-FDD         6.67         19.6%           10147         CAF         LTE-FDD         65.76         19.6%           10147         CAF         LTE-FDD         65.77         19.6%           10147         CAF         LTE-FDD         65.72         19.6%           10149         CAE         LTE-FDD         65.72         19.6%           10150         CAE         LTE-FDD         (5C-FDMA, 50% RB, 20 MHz, 16-OAM)         LTE-FDD         6.60         19.6%           10151         CAG         LTE-FDD         (5C-FDMA, 50% RB, 20 MHz, 0FOAM)         LTE-FDD         9.82         19.6%           10152         CAG         LTE-FDD         (5C-FDMA, 50% RB, 20 MHz, 0FOAM)         LTE-FDD         5.75         19.6%           10153         CAG         LTE-FDD         (5C-FDMA, 50% RB, 10 MHz, 0FOK)         LTE-FDD         5.75         19.6%           10156         CAG         LTE-FDD         (5C-FDMA, 50% RB, 10 MHz, 0FOK)         LTE-FDD         5.79         19.6%           10156         CAG         LTE-						
10146         CAF         LTE-FDD         S.76         ± 9.6%           10146         CAF         LTE-FDD         S.76         ± 9.6%           10147         CAF         LTE-FDD         S.76         ± 9.6%           10147         CAF         LTE-FDD         S.72         ± 9.6%           10147         CAF         LTE-FDD         S.72         ± 9.6%           10160         CAE         LTE-FDD         S.72         ± 9.6%           10161         CAG         LTE-TDD         S.78         B.20 MHz, 64-OAM         LTE-FDD         9.22         ± 9.6%           10152         CAG         LTE-TDD         ICS-FDMA, 50% RB, 20 MHz, 16-OAM         LTE-TDD         9.02         ± 9.6%           10153         CAG         LTE-TDD         ICS-FDMA, 50% RB, 20 MHz, 0FSK)         LTE-FDD         10.05         ± 9.6%           10156         CAG         LTE-FDD         ICS-FDMA, 50% RB, 10 MHz, 16-OAM         LTE-FDD         6.43         ± 9.6%           10156         CAG         LTE-FDD         ICS-FDMA, 50% RB, 10 MHz, 0PSK)         LTE-FDD         6.42         ± 9.6%           10156         CAG         LTE-FDD         ICS-FDMA, 50% RB, 10 MHz, 0PSK)         LTE-FDD         6.42         ± 9.						
10146         CAF         LTE-FDD         SC-FDMA, 100% RB, 14 MHz, 16-QAM)         LTE-FDD         6.41         ± 9.6 %           10147         CAF         LTE-FDD         SC-FDMA, 50% RB, 20 MHz, 46-QAM)         LTE-FDD         6.42         ± 9.6 %           10160         CAE         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 46-QAM)         LTE-FDD         6.42         ± 9.6 %           10151         CAG         LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 46-QAM)         LTE-FDD         9.28         ± 9.6 %           10152         CAG         LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 46-QAM)         LTE-TDD         9.22         ± 9.6 %           10153         CAG         LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 46-QAM)         LTE-TDD         9.02         ± 9.6 %           10154         CAG         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)         LTE-FDD         5.73         ± 9.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-FDD         5.43         ± 9.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-FDD         5.43         ± 9.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)         LTE-FDD         5.42         ± 9.6 %           10157         CAG         LTE-FDD (SC-				······································		
10147         CAF         LTE-FDD         (SC-FDMA, 50% RB, 20 MHz, 16-QAM)         LTE-FDD         6.42         19.6 %           10160         CAE         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)         LTE-FDD         6.40         19.6 %           10161         CAG         LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)         LTE-FDD         9.28         19.6 %           10152         CAG         LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)         LTE-TDD         9.29         19.6 %           10153         CAG         LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)         LTE-TDD         10.05         19.6 %           10154         CAG         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-FDD         6.43         19.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-FDD         6.49         19.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM)         LTE-FDD         6.42         9.6 %           10158         CAG         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM)         LTE-FDD         6.42         9.6 %           10160         CAE         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM)         LTE-FDD         6.42         9.6 %           10161         CAE         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 04-Q						
10160         CAE         LTE-FDD         SC-FDMA, 50% RB, 20 MHz, 16-OAM)         LTE-FDD         6.42         19.6%           10160         CAE         LTE-FDD         ISC-FDMA, 50% RB, 20 MHz, 0F-OAM)         LTE-FDD         9.28         ± 9.6%           10161         CAG         LTE-TDD         ISC-FDMA, 50% RB, 20 MHz, 0F-OAM)         LTE-TDD         9.28         ± 9.6%           10153         CAG         LTE-TDD         ISC-FDMA, 50% RB, 20 MHz, 0F-OAM)         LTE-TDD         9.28         ± 9.6%           10154         CAG         LTE-FDD         ISC-FDMA, 50% RB, 10 MHz, 0F-OAM)         LTE-TDD         5.75         ± 9.6%           10156         CAG         LTE-FDD         ISC-FDMA, 50% RB, 10 MHz, 16-OAM)         LTE-FDD         5.77         ± 9.6%           10156         CAG         LTE-FDD         ISC-FDMA, 50% RB, 10 MHz, 16-OAM)         LTE-FDD         6.43         ± 9.6%           10157         CAG         LTE-FDD         ISC-FDMA, 50% RB, 10 MHz, 16-OAM)         LTE-FDD         6.66         ± 9.6%           10158         CAG         LTE-FDD         ISC-FDMA, 50% RB, 14 MHz, 16-OAM)         LTE-FDD         6.66         ± 9.6%           10160         CAE         LTE-FDD         ISC-FDMA, 50% RB, 14 MHz, 16-OAM)         LTE-FDD				****		
10150         CAE         LTE-FDD         66.0         19.6 %           10151         CAG         LTE-TDD         (SC-FDMA, 50%, RB, 20 MHz, QPSK)         LTE-TDD         9.28         ±9.6 %           10152         CAG         LTE-TDD         (SC-FDMA, 50%, RB, 20 MHz, 16-CAM)         LTE-TDD         9.92         ±9.6 %           10153         CAG         LTE-TDD         (SC-FDMA, 50%, RB, 20 MHz, 64-CAM)         LTE-TDD         5.7 5 ±9.6 %           10154         CAG         LTE-FDD         (SC-FDMA, 50%, RB, 10 MHz, 16-CAM)         LTE-FDD         5.7 5 ±9.6 %           10155         CAG         LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 16-CAM)         LTE-FDD         5.7 9 ±9.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 16-CAM)         LTE-FDD         5.4 9.6 %           10161         CAG         LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 16-CAM)         LTE-FDD         5.82 ±9.6 %           10161         CAE         LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 16-CAM)         LTE-FDD         5.84 ±9.6 %           10162         CAE         LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 16-CAM)         LTE-FDD         5.84 ±9.6 %           10166         CAF         LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 20-SK)         LTE-FDD         5.84 ±9.6 %           10166 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10151         CAG         LTE-TDD         SC-FDMA, 50%, RB, 20 MHz, DPSK)         LTE-TDD         9.28         ±9.6 %           10152         CAG         LTE-TDD         SC-FDMA, 50%, RB, 20 MHz, D-CAM)         LTE-TDD         9.92         ±9.6 %           10153         CAG         LTE-TDD         SC-FDMA, 50%, RB, 20 MHz, D-CAM)         LTE-TDD         10.05         ±9.6 %           10154         CAG         LTE-FDD (SC-FDMA, 50%, RB, 10 MHz, QPSK)         LTE-FDD         5.75         ±9.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, QPSK)         LTE-FDD         5.79         ±9.6 %           10157         CAG         LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 16-QAM)         LTE-FDD         6.49         ±9.6 %           10158         CAG         LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 16-QAM)         LTE-FDD         6.56         ±9.6 %           10160         CAE         LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 16-QAM)         LTE-FDD         6.84         ±9.6 %           10161         CAE         LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 16-QAM)         LTE-FDD         6.84         ±9.6 %           10162         CAF         LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 16-QAM)         LTE-FDD         6.84         ±9.6 %           10161         CAF         L						
10152         CAG         LTE-TDD         9.92         19.05           10153         CAG         LTE-TDD         (SC-FDMA, 50% RB, 20 MHz, 64-QAM)         LTE-TDD         10.05         19.65 %           10154         CAG         LTE-TDD         (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-FDD         5.75         19.6 %           10155         CAG         LTE-FDD         (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-FDD         5.79         19.6 %           10156         CAG         LTE-FDD         (SC-FDMA, 50% RB, 10 MHz, Q-AAM)         LTE-FDD         6.49         19.6 %           10157         CAG         LTE-FDD         (SC-FDMA, 50% RB, 10 MHz, Q-AAM)         LTE-FDD         6.49         19.6 %           10158         CAG         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 16-OAM)         LTE-FDD         6.62         19.6 %           10161         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 16-OAM)         LTE-FDD         6.48         19.6 %           10162         CAE         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-FDD         6.58         19.6 %           10166         CAF         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-FDD         6.73         19.6 %           10166 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10153         CAG         LTE-TDD         SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-TDD         10.05         ± 9.6 %           10154         CAG         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)         LTE-FDD         5.75         ± 9.6 %           10155         CAG         LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-FDD         6.43         ± 9.6 %           10156         CAG         LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-FDD         6.49         ± 9.6 %           10157         CAG         LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)         LTE-FDD         6.62         ± 9.6 %           10158         CAG         LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)         LTE-FDD         6.62         ± 9.6 %           10160         CAE         LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)         LTE-FDD         6.43         ± 9.6 %           10161         CAE         LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-FDD         6.43         ± 9.6 %           10162         CAF         LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-FDD         6.42         ± 9.6 %           10168         CAF         LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-FDD         6.42         ± 9.6 %           10168         CAE         LTE-FDD (SC-FDMA, 18 & 20 MHz, 04-QAM)						
10154         CAG         LTE-FDD         S.75         ± 9.6 %           10155         CAG         LTE-FDD         (SC-FDMA, 50% RB, 10 MHz, 16-QAM)         LTE-FDD         6.43         ± 9.6 %           10156         CAG         LTE-FDD         (SC-FDMA, 50% RB, 5 MHz, 16-QAM)         LTE-FDD         6.49         ± 9.6 %           10157         CAG         LTE-FDD         (SC-FDMA, 50% RB, 5 MHz, 16-QAM)         LTE-FDD         6.49         ± 9.6 %           10158         CAG         LTE-FDD         (SC-FDMA, 50% RB, 10 MHz, 64-QAM)         LTE-FDD         6.56         ± 9.6 %           10160         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, QPSK)         LTE-FDD         5.82         ± 9.6 %           10161         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, QPSK)         LTE-FDD         6.58         ± 9.6 %           10162         CAE         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-FDD         5.46         ± 9.6 %           10167         CAF         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10168         CAF         LTE-FDD         (SC-FDMA, 178, 20 MHz, GAQM)         LTE-FDD         5.73         ± 9.6 %           1017						
10156         CAG         LTE-FDD         S0:43         ± 9.6 %           10156         CAG         LTE-FDD         S0:79         ± 9.6 %           10157         CAG         LTE-FDD         S0:79         ± 9.6 %           10158         CAG         LTE-FDD         S0:79         ± 9.6 %           10158         CAG         LTE-FDD         S0:79         ± 9.6 %           10159         CAG         LTE-FDD         S0:79         ± 9.6 %           10159         CAG         LTE-FDD         S0:79         ± 9.6 %           10150         CAG         LTE-FDD         S0:70MA, 50% RB, 50 MHz, 16-QAM)         LTE-FDD         5.62         ± 9.6 %           10161         CAE         LTE-FDD         S0:70MA, 50% RB, 15 MHz, 16-QAM)         LTE-FDD         5.48         ± 9.6 %           10162         CAE         LTE-FDD         S0:70MA, 50% RB, 14 MHz, 16-QAM)         LTE-FDD         5.46         ± 9.6 %           10166         CAF         LTE-FDD         S0:70MA, 50% RB, 14 MHz, 16-QAM)         LTE-FDD         5.73         ± 9.6 %           10176         CAF         LTE-FDD         S0:70MA, 17 MB, 20 MHz, 16-QAM)         LTE-FDD         5.73         ± 9.6 %           10170 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
10136         CAG         LTE-FDD         (SC-FDMA, 50% RB, 5 MHz, 16-QAM)         LTE-FDD         5.79         ± 9.6 %           10157         CAG         LTE-FDD         (SC-FDMA, 50% RB, 10 MHz, 64-QAM)         LTE-FDD         6.49         ± 9.6 %           10158         CAG         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-FDD         6.62         ± 9.6 %           10160         CAE         LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-FDD         6.83         ± 9.6 %           10161         CAE         LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-FDD         6.84         ± 9.6 %           10162         CAE         LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)         LTE-FDD         6.84         ± 9.6 %           10161         CAE         LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM)         LTE-FDD         6.79         ± 9.6 %           10168         CAF         LTE-FDD (SC-FDMA, 18, 20 MHz, 42-QAM)         LTE-FDD         6.79         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 18, 20 MHz, 46-QAM)         LTE-FDD         6.73         ± 9.6 %           10171         CAE         LTE-FDD (SC-FDMA, 17, 20 MHz, 46-QAM)         LTE-FDD         6.72         ± 9.6 %           10172         CAG         L			LTE-FDD (SC-FDMA, 50% RB 10 MHz, 16-OAM)			
10157         CAG         LTE-FDD         (SC-FDMA, 50% RB, 5 MHz, 16-QAM)         LTE-FDD         6.49         ± 9.6 %           10158         CAG         LTE-FDD         (SC-FDMA, 50% RB, 5 MHz, 46-QAM)         LTE-FDD         6.62         ± 9.6 %           10160         CAG         LTE-FDD         (SC-FDMA, 50% RB, 55 MHz, 46-QAM)         LTE-FDD         5.82         ± 9.6 %           10161         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 46-QAM)         LTE-FDD         6.43         ± 9.6 %           10162         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 46-QAM)         LTE-FDD         6.44         ± 9.6 %           10162         CAE         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, 46-QAM)         LTE-FDD         5.46         ± 9.6 %           10166         CAF         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, 64-QAM)         LTE-FDD         5.73         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 17 RB, 20 MHz, 6-QAM)         LTE-FDD         6.52         ± 9.6 %           10171         AAE         LTE-FDD (SC-FDMA, 17 RB, 20 MHz, 6-QAM)         LTE-FDD         6.52         ± 9.6 %           10172         CAG         LTE-FDD (SC-FDMA, 17 RB, 20 MHz, 6-QAM)         LTE-FDD         6.52         ± 9.6 %	-		LTE-FDD (SC-FDMA 50% RB 5 MHz OPSK)			
10158         CAG         LTE-FDD         (SC-FDMA, 50% RB, 10 MHz, 64-QAM)         LTE-FDD         6.62         ± 9.6 %           10159         CAG         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-FDD         6.56         ± 9.6 %           10160         CAE         LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-FDD         6.43         ± 9.6 %           10161         CAE         LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-FDD         6.43         ± 9.6 %           10162         CAE         LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)         LTE-FDD         6.43         ± 9.6 %           10166         CAF         LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)         LTE-FDD         6.79         ± 9.6 %           10168         CAF         LTE-FDD (SC-FDMA, 18, 20 MHz, QPSK)         LTE-FDD         6.79         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 18, 20 MHz, QPSK)         LTE-FDD         6.79         ± 9.6 %           10171         AAE         LTE-FDD (SC-FDMA, 18, 20 MHz, QPSK)         LTE-FDD         6.79         ± 9.6 %           10172         CAG         LTE-FDD (SC-FDMA, 18, 20 MHz, 16-QAM)         LTE-FDD         6.49         ± 9.6 %           10172         CAG         LTE-FDD (SC-FDMA, 18, 20 MHz,						
10159         CAG         LTE-FDD         6.56         ± 9.6 %           10160         CAE         LTE-FDD         (S.F.FDMA, 50% RB, 15 MHz, QPSK)         LTE-FDD         5.82         ± 9.6 %           10161         CAE         LTE-FDD         (S.C.FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-FDD         6.43         ± 9.6 %           10162         CAE         LTE-FDD         (S.C.FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-FDD         6.43         ± 9.6 %           10166         CAF         LTE-FDD         (S.C.FDMA, 50% RB, 14 MHz, 16-QAM)         LTE-FDD         6.21         ± 9.6 %           10168         CAF         LTE-FDD (S.C.FDMA, 50% RB, 14 MHz, 16-QAM)         LTE-FDD         6.73         ± 9.6 %           10170         CAE         LTE-FDD (S.C.FDMA, 1 RB, 20 MHz, 0FSK)         LTE-FDD         6.52         ± 9.6 %           10171         AAE         LTE-FDD (S.C.FDMA, 1 RB, 20 MHz, 0FSK)         LTE-FDD         6.49         ± 9.6 %           10172         CAG         LTE-FDD (S.C.FDMA, 1 RB, 20 MHz, 0FSK)         LTE-FDD         9.48         ± 9.6 %           10173         CAG         LTE-FDD (S.C.FDMA, 1 RB, 20 MHz, 0FSK)         LTE-FDD         9.6 %           10174         CAG         LTE-FDD (S.C.FDMA, 1 RB, 10 MHz, 0FSK)         LTE-FDD						
10160         CAE         LTE-FDD         S.6.2         ± 9.6         %           10161         CAE         LTE-FDD         S.6.2         ± 9.6         %           10162         CAE         LTE-FDD         S.C.FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-FDD         6.5.8         ± 9.6         %           10162         CAE         LTE-FDD         S.C.FDMA, 50% RB, 1.4 MHz, QPSK)         LTE-FDD         5.46         ± 9.6         %           10166         CAF         LTE-FDD         S.C.FDMA, 50% RB, 1.4 MHz, QPSK)         LTE-FDD         6.71         ± 9.6         %           10169         CAF         LTE-FDD (SC-FDMA, 18B, 20 MHz, 64-QAM)         LTE-FDD         6.73         ± 9.6         %           10170         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-FDD         6.62         ± 9.6         %           10171         CAG         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-FDD         6.49         ± 9.6         %           10172         CAG         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-FDD         9.21         ± 9.6         %           10173         CAG         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-FDD         9.48         ± 9.6         %				LTE-FDD	6.56	
10161         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 16-QAM)         LTE-FDD         6.43         ± 9.6 %           10162         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, QFSK)         LTE-FDD         6.56         ± 9.6 %           10166         CAF         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, QFSK)         LTE-FDD         6.21         ± 9.6 %           10167         CAF         LTE-FDD         (SC-FDMA, 50% RB, 14 MHz, QFSK)         LTE-FDD         6.21         ± 9.6 %           10168         CAF         LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QFSK)         LTE-FDD         6.73         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10171         CAE         LTE-FDD (SC-FDMA, 1RB, 20 MHz, G4-QAM)         LTE-FDD         9.21         ± 9.6 %           10172         CAG         LTE-FDD (SC-FDMA, 1RB, 20 MHz, G4-QAM)         LTE-FDD         9.21         ± 9.6 %           10173         CAG         LTE-FDD (SC-FDMA, 1RB, 20 MHz, G4-QAM)         LTE-FDD         9.2         ± 9.6 %           10174         CAG         LTE-FDD (SC-FDMA, 1RB, 20 MHz, G4-QAM)         LTE-FDD         5.73         ± 9.6 %           10177         CAG         <					5.82	±9.6 %
10162         CAE         LTE-FDD         (SC-FDMA, 50% RB, 15 MHz, 64-QAM)         LTE-FDD         6.58         ± 9.6 %           10168         CAF         LTE-FDD         (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.21         ± 9.6 %           10168         CAF         LTE-FDD         (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.79         ± 9.6 %           10168         CAF         LTE-FDD         (SC-FDMA, 1 RB, 20 MHz, 16-QAM)         LTE-FDD         6.73         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-FDD         6.49         ± 9.6 %           10171         AAE         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         9.48         ± 9.6 %           10172         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         9.48         ± 9.6 %           10173         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK)         LTE-FDD         10.25         ± 9.6 %           10174         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10177         CAI	and the second se			LTE-FDD	6.43	±9.6 %
10166         CAF         LTE-FDD         5.46         ± 9.6 %           10167         CAF         LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.21         ± 9.6 %           10168         CAF         LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.79         ± 9.6 %           10169         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)         LTE-FDD         6.49         ± 9.6 %           10171         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM)         LTE-FDD         6.49         ± 9.6 %           10172         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM)         LTE-FDD         9.21         ± 9.6 %           10173         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM)         LTE-FDD         9.21         ± 9.6 %           10175         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 04-QAM)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM)         LTE-FDD         5.73         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM)         LTE-FDD         5.73         ± 9.6 % <td></td> <td></td> <td>LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)</td> <td>LTE-FDD</td> <td>6.58</td> <td>±9.6 %</td>			LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6 %
10168         CAF         LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.79         ± 9.6 %           10169         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10171         AAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)         LTE-FDD         6.49         ± 9.6 %           10172         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)         LTE-TDD         9.21         ± 9.6 %           10173         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)         LTE-TDD         9.48         ± 9.6 %           10174         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, G4-QAM)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)         LTE-FDD         5.72         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, GPSK)         LTE-FDD         5.72         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD	10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD		
10169         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10170         CAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10171         AAE         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-FDD         6.49         ± 9.6 %           10172         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         9.21         ± 9.6 %           10173         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         9.24         ± 9.6 %           10174         CAG         LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM)         LTE-FDD         5.72         ± 9.6 %           10175         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD         6.50         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD	10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)			
10100         CAE         LTE-FDD         (6.52)         ± 9.6 %           10170         CAE         LTE-FDD         (6.52)         ± 9.6 %           10171         AAE         LTE-FDD         (6.49)         ± 9.6 %           10172         CAG         LTE-TDD         (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-TDD         9.21         ± 9.6 %           10173         CAG         LTE-TDD         (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-TDD         9.48         ± 9.6 %           10174         CAG         LTE-TDD         (SC-FDMA, 1 RB, 20 MHz, G4-QAM)         LTE-TDD         9.48         ± 9.6 %           10175         CAG         LTE-FDD         (SC-FDMA, 1 RB, 20 MHz, G4-QAM)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, G4-QAM)         LTE-FDD         5.73         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD         5.73         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD         5.72         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM)         LTE-FDD         5.72         ± 9.6 %           10180	10168	CAF				
1017         AAE         LTE-FDD         (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-FDD         6.49         ± 9.6 %           10172         CAG         LTE-TDD         (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-TDD         9.21         ± 9.6 %           10173         CAG         LTE-TDD         (SC-FDMA, 1 RB, 20 MHz, 16-QAM)         LTE-TDD         9.48         ± 9.6 %           10174         CAG         LTE-TDD         (SC-FDMA, 1 RB, 20 MHz, 4-QAM)         LTE-TDD         10.25         ± 9.6 %           10175         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G-QAM)         LTE-FDD         6.52         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, G-QAM)         LTE-FDD         6.52         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD	10169					
10112         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)         LTE-TDD         9.21         ± 9.6 %           10173         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)         LTE-TDD         9.48         ± 9.6 %           10174         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         10.25         ± 9.6 %           10175         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)         LTE-FDD         5.73         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD	and and an					
10172         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)         LTE-TDD         9.48         ± 9.6 %           10174         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         10.25         ± 9.6 %           10175         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         <						
1017         CAG         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)         LTE-TDD         10.25         ± 9.6 %           10175         CAG         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10176         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         6.50         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD	······			and the second se		
Introd         Dirig         Dirig <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10176         CAG         LTE-FDD         (SC-FDMA, 1 RB, 10 MHz, 16-QAM)         LTE-FDD         (6.52         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-QAM)         LTE-FDD         6.52         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 0PSK)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 04-QAM)         LTE-FDD         6.50         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 0PSK)			LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)			
10170         CAC         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10177         CAI         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10178         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 0-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0-QAM)         LTE-FDD         6.51         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         6.51         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD						
IOTR         O.G.G         LTE-FDD         (SC-FDMA, 1 RB, 5 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10179         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         6.51         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM)						
10170         CAG         LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10180         CAG         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.50         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK)         LTE-FDD         5.73         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 04-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 04-QAM)         LTE-FDD         6.50         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD						
Init         Init <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td></th<>						
10160         OAC         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %           10181         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN <td></td> <td></td> <td>1 TE EDD (SC-EDMA 1 PR 5 MHz 64-0AM)</td> <td></td> <td></td> <td></td>			1 TE EDD (SC-EDMA 1 PR 5 MHz 64-0AM)			
10161         Order         LTE-FDD         (6.52         ± 9.6 %           10182         CAE         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10183         AAD         LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK)         LTE-FDD         5.73         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %						
10102       O/LC       LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)       LTE-FDD       6.50       ± 9.6 %         10183       AAD       LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)       LTE-FDD       5.73       ± 9.6 %         10184       CAE       LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)       LTE-FDD       6.51       ± 9.6 %         10185       CAE       LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)       LTE-FDD       6.51       ± 9.6 %         10186       AAE       LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)       LTE-FDD       6.50       ± 9.6 %         10187       CAF       LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)       LTE-FDD       5.73       ± 9.6 %         10188       CAF       LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)       LTE-FDD       6.52       ± 9.6 %         10189       AAF       LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)       LTE-FDD       6.50       ± 9.6 %         10193       CAC       IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)       WLAN       8.09       ± 9.6 %         10194       CAC       IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)       WLAN       8.12       ± 9.6 %         10195       CAC       IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM)       WLAN       8.10       ± 9.6 %         10196       CAC       <						
10183         AAB         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10184         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)         LTE-FDD         6.51         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN<						
10104         CAC         LTE-FDD         (SC-FDMA, 1 RB, 3 MHz, 16-QAM)         LTE-FDD         6.51         ± 9.6 %           10185         CAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.10         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.13         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QA						
10100         O/L         LTE-FDD         Color         ± 9.6 %           10186         AAE         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)         LTE-FDD         5.73         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10180         IVE         LTE-FDD         5.73         ± 9.6 %           10187         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         LTE-FDD         5.73         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10189         AAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.10         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.13         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %						
1015/         0.7.5         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)         LTE-FDD         6.52         ± 9.6 %           10188         CAF         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %						
10180         OAR         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)         LTE-FDD         6.50         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.12         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %						
10100         Jun         LTET B0 (2011)         HT Greenfield, 6.5 Mbps, BPSK)         WLAN         8.09         ± 9.6 %           10193         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %					6.50	
10194         CAC         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         WLAN         8.12         ± 9.6 %           10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.10         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %					8.09	± 9.6 %
10195         CAC         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         WLAN         8.21         ± 9.6 %           10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.13         ± 9.6 %			IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN		± 9.6 %
10196         CAC         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         WLAN         8.10         ± 9.6 %           10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %			IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)		and the second se	
10197         CAC         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         WLAN         8.13         ± 9.6 %           10198         CAC         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         WLAN         8.27         ± 9.6 %			IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)			
10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %						
10219 CAC IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ± 9.6 %			IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)			
			IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6 %

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10220	CAC CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221		IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6 %
10222		IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6 %
	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6 %
10227		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	<u>± 9.6 %</u>
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6 %
10262		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	±9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	±9.6%
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6%
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6 %
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10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	±9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	± 9,6 %
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WIMAX	15.24	± 9.6 %
10306	AAA	symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WIMAX	14.67	± 9.6 %
10307	AAA	symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	Wimax	14.58	±9,6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6%
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6%
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22 7.82	± 9.6 % ± 9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	1.02	
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
10110		Short preambule)			
		Short preambule)	WLAN	8.32	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN WLAN	8.32 8.47	± 9.6 % ± 9.6 %
10422 10423	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN WLAN WLAN	8.32 8.47 8.40	± 9.6 % ± 9.6 % ± 9.6 %
10422 10423 10424	AAB AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.47	± 9.6 %
10422 10423 10424 10425	AAB AAB AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN WLAN	8.47 8.40	± 9.6 % ± 9.6 %
10422 10423 10424 10425 10426	AAB AAB AAB AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN WLAN WLAN	8.47 8.40 8.41	± 9.6 %       ± 9.6 %       ± 9.6 %
10422 10423 10424 10425 10426 10427	AAB AAB AAB AAB AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN	8.47 8.40 8.41 8.45	± 9.6 %       ± 9.6 %       ± 9.6 %       ± 9.6 %
10422 10423 10424 10425 10426 10427 10430	AAB AAB AAB AAB AAB AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN WLAN	8.47 8.40 8.41 8.45 8.41	$\begin{array}{c} \pm \ 9.6 \ \% \\ \pm \ 9.6 \ \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431	AAB AAB AAB AAB AAB AAD AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD	8.47 8.40 8.41 8.45 8.41 8.28	$\begin{array}{c} \pm \ 9.6 \ \% \\ \pm \ 9.6 \ \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432	AAB AAB AAB AAB AAB AAD AAD AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD	8.47 8.40 8.41 8.45 8.41 8.28 8.38	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD	8.47 8.40 8.41 8.45 8.41 8.28 8.38 8.38 8.34	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432	AAB AAB AAB AAB AAB AAD AAD AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.47 8.40 8.41 8.45 8.41 8.28 8.38 8.38 8.34 8.34	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEFDD (OFDMA, 5 MHz, E-TM 3.1) ITE-FDD (OFDMA, 10 MHz, E-TM 3.1) ITE-FDD (OFDMA, 20 MHz, E-TM 3.1) ITE-FDD (OFDMA, 20 MHz, E-TM 3.1) ITE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.47           8.40           8.41           8.45           8.41           8.28           8.38           8.34           8.34           8.60           7.82	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10447	AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEFDD (OFDMA, 5 MHz, E-TM 3.1) ITE-FDD (OFDMA, 10 MHz, E-TM 3.1) ITE-FDD (OFDMA, 20 MHz, E-TM 3.1) ITE-FDD (OFDMA, 20 MHz, E-TM 3.1) ITE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) ITE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.47           8.40           8.41           8.45           8.41           8.28           8.38           8.34           8.34           8.60           7.82           7.56	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEFDD (OFDMA, 5 MHz, E-TM 3.1) ITE-FDD (OFDMA, 10 MHz, E-TM 3.1) ITE-FDD (OFDMA, 20 MHz, E-TM 3.1) ITE-FDD (OFDMA, 20 MHz, E-TM 3.1) ITE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.47           8.40           8.41           8.45           8.41           8.28           8.38           8.34           8.34           8.60           7.82	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10466	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10467	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	± 9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

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10.100				0.44	100%
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.07	±9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.0%
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10100		Subframe=2,3,4,7,8,9)			
10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	±9.6%
		Subframe=2,3,4,7,8,9)	LTE-TDD	0.40	
10498	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LIE-IDD	8.40	±9.6 %
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	± 9.6 %
10400	,,,,,	Subframe=2,3,4,7,8,9)			
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.44	
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	±9.6 %
10502	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.52	±9.6 %
10002		Subframe=2,3,4,7,8,9)			
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL	LTE-TDD	7.72	±9.6 %
		Subframe=2,3,4,7,8,9)		0.04	
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
10505	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.54	±9.6 %
10000	AME	Subframe=2,3,4,7,8,9)		0.04	
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)		_	
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
10508	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.55	±9.6 %
10506	AAC	Subframe=2,3,4,7,8,9)		0.00	
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL	LTE-TDD	7.99	±9.6 %
		Subframe=2,3,4,7,8,9)		- 1-	
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.49	± 9.6 %
10511	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.51	± 9.6 %
10011		Subframe=2,3,4,7,8,9)		0.01	20.0 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.42	± 9.6 %
10514	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
10514		Subframe=2,3,4,7,8,9)		0.40	1 0.0 /0
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	$\pm 9.6\%$
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN WLAN	8.38	± 9.6 % ± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	VVLAN	0.40	1 1 9.0 70

10535	1 + - =		······		
	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8,55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WIFI (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WIFI (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WIFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10550					
	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	±9.6 %
		cycle)			
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6.%
		cycle)			
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
		cycle)			
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
		cycle)			
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
		cycle)			
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
		cycle)			
10570	) AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
		cycle)			
10571					
	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6 %
10572	AAA		WLAN WLAN	1.99	± 9.6 % ± 9.6 %
10572 10573		IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN WLAN	1.99 1.98	± 9.6 % ± 9.6 %
10573 10574	AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN WLAN WLAN	1.99 1.98 1.98	± 9.6 %       ± 9.6 %       ± 9.6 %
10573	AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN WLAN	1.99 1.98	± 9.6 % ± 9.6 %
10573 10574 10575	AAA AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59	$\begin{array}{c} \pm \ 9.6 \ \% \\ \pm \ 9.6 \ \% \end{array}$
10573 10574	AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN WLAN WLAN	1.99 1.98 1.98	± 9.6 %       ± 9.6 %       ± 9.6 %
10573 10574 10575 10576	AAA           AAA           AAA           AAA           AAA           AAA           AAA           AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60	$\begin{array}{r} \pm 9.6 \% \\ \end{array}$
10573 10574 10575	AAA AAA AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN WLAN WLAN WLAN	1.99 1.98 1.98 8.59	$\begin{array}{c} \pm \ 9.6 \ \% \\ \pm \ 9.6 \ \% \end{array}$
10573 10574 10575 10576 10577	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573 10574 10575 10576	AAA           AAA           AAA           AAA           AAA           AAA           AAA           AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60	$\begin{array}{r} \pm 9.6 \% \\ \end{array}$
10573 10574 10575 10576 10577 10577	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573 10574 10575 10576 10577	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573           10574           10575           10576           10577           10578           10579	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573 10574 10575 10576 10577 10577	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573 10574 10575 10576 10577 10578 10579 10580	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573 10574 10575 10576 10577 10578 10579	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573           10574           10575           10576           10577           10578           10579           10580           10581	AAA           AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76           8.35	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573 10574 10575 10576 10577 10578 10579 10580	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573           10574           10575           10576           10577           10578           10579           10580           10581	AAA           AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76           8.35	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573           10574           10575           10576           10577           10578           10579           10580           10581	AAA           AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76           8.35	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573           10574           10575           10576           10577           10578           10579           10580           10581	AAA           AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76           8.35           8.67	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573           10574           10575           10576           10577           10578           10579           10580           10581           10582           10583	AAA         AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76           8.35           8.67           8.69	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10573 10574 10575 10576 10577 10578 10579 10580 10581 10582 10583	AAA         AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	1.99           1.98           1.98           8.59           8.60           8.70           8.49           8.36           8.76           8.35           8.67           8.59	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$

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	±96%
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 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	$\pm 9.6\%$
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10633	AAB	IEEE 802.11ac WiFI (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6%
10634	AAB	IEEE 802.11ac WiFI (80MHz, MCS8, 90pc duty cycle)	WLAN	8.81	
	AAB		WLAN		$\pm 9.6\%$
10636		IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)		8.83	$\pm 9.6\%$
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6%
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6%
10653	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %

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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	$\pm 9.6\%$
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	$\pm 9.6\%$

^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 D: SAR TISSUE SPECIFICATIONS

Measurement Procedure for Tissue verification:

- 1) The network analyzer and probe system was configured and calibrated.
- 2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container.
- Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle. 3) The complex admittance with respect to the probe aperture was measured
- The complex relative permittivity ε' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_{r}\varepsilon_{0}}{\left[\ln(b/a)\right]^{2}} \int_{a}^{b} \int_{a}^{b} \int_{0}^{\pi} \cos\phi' \frac{\exp\left[-j\omega r(\mu_{0}\varepsilon_{r}\varepsilon_{0})^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively,  $r^2 = \rho^2 + {\rho'}^2 - 2\rho\rho' \cos \phi'$ ,  $\omega$  is the angular frequency, and  $j = \sqrt{-1}$ .

		Com	positio	n of the	e Tissue	e Equiva	alent Ma	atter				
Frequency (MHz)	750	750	835	835	1750	1750	1900	1900	2450	2450	5200 -	5200 -
											5800	5800
Tissue	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Ingredients (% by weight)												
Bactericide			0.1	0.1								
DGBE					47	31	44.92	29.44		26.7		
HEC	See page	See page	1	1					Saa maga 4		See page	See page
NaCl	2-3	2	1.45	0.94	0.4	0.2	0.18	0.39	See page 4	0.1	5	6
Sucrose			57	44.9								
Water			40.45	53.06	52.6	68.8	54.9	70.17		73.2		

Table D-I Composition of the Tissue Equivalent Matter

	FCC ID: ZNFX420MM		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
	Test Dates:	DUT Type:			APPENDIX D:
	04/14/19 - 05/02/19	Portable Handset			Page 1 of 6
© 201	9 PCTEST Engineering Laboratory,	Inc.			REV 21.3 M 02/15/2019

#### 2 Composition / Information on ingredients

The Item is composed of	the following ingredients:
H ₂ O	Water, 35 – 58%
Sucrose	Sugar, white, refined, 40 – 60%
NaCl	Sodium Chloride, 0 – 6%
Hydroxyethyl-cellulose	Medium Viscosity (CAS# 9004-62-0), <0.3%
Preventol-D7	Preservative: aqueous preparation, (CAS# 55965-84-9), containing
	5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyyl-3(2H)-isothiazolone,
	0.1 – 0.7%
	Relevant for safety; Refer to the respective Safety Data Sheet*.

#### Figure D-1 Composition of 750 MHz Head and Body Tissue Equivalent Matter

**Note:** 750MHz liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

Zeughau Phone + info@sp	41 44		00, Fax	x +41 4	4 245												
Meas	urem	ent C	ertif	icate	/ Ma	terial	Test										
Item Na							Liquid (M		2)								
Produc Manufa			SL AA		D AA (t	satch:	170608-1)	)									
Measu	remen	nt Meth	nod														
TSL die	electric	parar	neters	meas	ured u	using ca	alibrated D	AK probe									
Setup	Valida	tion															
			ere wi	thin ±	2.5% t	lowards	s the targe	t values o	f Meth	nanol.							
-																	
Target	Parar	neters	an def	ined in	the I	CC 10	28 and IE	C 62200 /	omoli	2000	tanda	arde					
Target	paran	leters	as der	ineu ir	i une in	EE 10	20 anu ieu	022090	ompi	ancea	starius	ilus.					
Test C	onditi	on															
Ambier			Envir	onmen	t temp	eratur	(22 ± 3)°C	and hum	idity <	70%.							
TSL Te							. ,										
Test D			20-Ju	n-17													
	ate			n-17											_		
Test D Operat	ate or		20-Ju CL	n-17													
Test D Operat	ate or onal Ir	nforma	20-Ju CL														
Test D Operat	ate or onal Ir ensity	nforma	20-Ju CL ation 1.212	g/cm ³													
Test D Operat	ate or onal Ir ensity	nforma	20-Ju CL ation 1.212	g/cm ³													
Test D Operat	ate or onal Ir ensity eat-ca	nforma pacity	20-Ju CL ation 1.212	g/cm ³ kJ/(kg	g*K)	Diff. to 1	Farget [%]										
Test D Operat	ate or onal Ir ensity	nforma pacity	20-Ju CL ation 1.212	g/cm ³ kJ/(kg	g*K)		[arget [%] ∆-sigma	10.									
Additie TSL Do TSL He	ate or onal Ir ensity eat-ca Measu	nforma pacity ired	20-Ju CL ation 1.212 3.006	g/cm ³ kJ/(kg	g*K)			8 7.	5								
Additie TSL D TSL H	ate or onal Ir ensity eat-ca Measu e'	pacity red e"	20-Ju CL 1.212 3.006 sigma	g/cm ³ kJ/(kg Target eps	g*K) sigma	∆-eps	Δ-sigma -12.2 -10.1	* 7.	5								
Test D. Operation TSL D. TSL Ho f [MHz] 600	ate or onal Ir ensity eat-ca Measu e' 57.3	nforma pacity red 25.02 24.67 24.32	20-Ju CL 1.212 3.006 sigma 0.84 0.86 0.88	g/cm ³ kJ/(kg Target eps 56.1 56.0 55.9	sigma 0.95 0.95 0.96	∆-eps 2.2 1.9 1.6	Δ-sigma -12.2 -10.1 -8.0	% 7. 5. 0.									
Test D. Operation TSL D. TSL Ho 1 [MHz] 600 625 650 675	ate or onal Ir ensity eat-ca Measu e' 57.3 57.1 56.8 56.6	red 25.02 24.67 24.32 24.02	20-Ju CL 1.212 3.006 sigma 0.84 0.86 0.88 0.90	g/cm ³ kJ/(kg Target eps 56.1 56.0 55.9 55.8	sigma 0.95 0.96 0.96	<u>∆-eps</u> 2.2 1.9 1.6 1.3	<u>Δ-sigma</u> -12.2 -10.1 -8.0 -5.8	Permittivity % 2. 2. 2. 5. 2. 2.	5 0 5 0 5 0 5								
Test D. Operat Additio TSL Do TSL Ho f [MHz] 600 625 650 675 700	ate or ensity eat-ca <u>e</u> 57.3 57.1 56.8 56.6 56.3	pacity pacity 25.02 24.67 24.32 24.02 23.71	20-Ju CL 1.212 3.006 sigma 0.84 0.86 0.88 0.90 0.92	g/cm ³ kJ/(kg Target eps 56.1 56.0 55.9 55.8 55.7	sigma 0.95 0.95 0.96 0.96 0.96	∆-eps 2.2 1.9 1.6 1.3 1.1	Δ-sigma -12.2 -10.1 -8.0 -5.8 -3.8	0ev. Permittivity % 5. 0. 5. 2. 2.	5 0 5 0 5 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0								
Test D. Operat Additio TSL Do TSL Ho 600 625 650 675 700 725	ate or onal Ir ensity eat-ca for 57.3 57.1 56.8 56.6 56.3 56.1	pacity pacity 25.02 24.67 24.32 24.02 23.71 23.48	20-Ju CL 1.212 3.006 sigma 0.84 0.86 0.88 0.90 0.92 0.95	g/cm ³ kJ/(kg 56.1 56.0 55.9 55.8 55.7 55.6	sigma 0.95 0.95 0.96 0.96 0.96	∆-eps 2.2 1.9 1.6 1.3 1.1 0.8	Δ-sigma -12.2 -10.1 -8.0 -5.8 -3.8 -1.5	Permittivity % 2. 2. 2. 5. 2. 2.	5 0 5 0 5 0 5 0 5								
Test D Operat TSL D TSL H f(MHz) 600 625 650 675 700 725 750	ate or ensity eat-ca 67.3 57.1 56.8 56.6 56.3 56.1 55.9	pacity rred 25.02 24.67 24.32 24.02 23.71 23.48 <b>23.25</b>	20-Ju CL 1.212 3.006 sigma 0.84 0.86 0.88 0.90 0.92 0.95 0.97	g/cm ³ kJ/(kg eps 56.1 56.0 55.9 55.8 55.7 55.6 <b>55.5</b>	sigma 0.95 0.95 0.96 0.96 0.96 0.96 0.96	Δ-eps 2.2 1.9 1.6 1.3 1.1 0.8 0.6	Δ-sigma -12.2 -10.1 -8.0 -5.8 -3.8 -1.5 0.7	Dev. Permittivity % 2552222.	5 0 5 0 5 0 5 0 5	650	700	750	800	850	900	950	100
Test D Operat TSL D TSL H 600 625 650 675 700 725 <b>750</b> 775	ate or onal Ir ensity eat-ca 57.3 57.1 56.8 56.6 56.3 56.1 55.9 55.6	pacity rred 25.02 24.67 24.32 24.02 23.71 23.48 <b>23.25</b> 23.04	20-Ju CL 1.212 3.006 sigma 0.84 0.86 0.88 0.90 0.92 0.95 0.97 0.99	g/cm ³ kJ/(kg eps 56.1 56.0 55.9 55.8 55.7 55.6 <b>55.5</b> 55.4	sigma 0.95 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96	Δ-eps 2.2 1.9 1.6 1.3 1.1 0.8 0.6 0.3	Δ-sigma -12.2 -10.1 -8.0 -5.8 -3.8 -1.5 0.7 2.9	Dev. Permittivity % 2552222.	5 0 5 0 5 0 5 0 5 0 5	650	700		800 uency 1		900	950	100
Test D Operation TSL D TSL H (MHz) 600 625 650 675 700 725 700 725 800	ate or onal Ir ensity eat-ca 57.3 57.1 56.8 56.6 56.3 56.1 55.9 55.6 55.4	red 25.02 24.67 24.32 24.02 23.71 23.48 <b>23.25</b> 23.04 22.82	20-Ju CL 1.212 3.006 sigma 0.84 0.86 0.88 0.90 0.92 0.95 0.97 0.99 1.02	g/cm ³ kJ/(kg 56.1 56.0 55.9 55.8 55.7 55.6 <b>55.5</b> 55.4 55.3	sigma 0.95 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97	Δ-eps 2.2 1.9 1.6 1.3 1.1 0.8 0.6 0.3 0.1	Δ-sigma -12.2 -10.1 -8.0 -5.8 -3.8 -1.5 0.7 2.9 5.0	Dev. Permittivity % 2552222.	5 0 5 0 5 0 5 0 5 0 5	650	700				900	950	100
Test D Operation TSL D TSL H (MHz) 600 625 650 675 700 725 700 775 800 825	ate or onal Ir ensity eat-ca e' 57.3 57.1 56.8 56.6 56.6 56.6 55.9 55.6 55.4 55.2	nforma pacity rred 25.02 24.67 24.32 24.02 23.71 23.48 23.25 23.04 22.82 22.65	20-Ju CL 1.212 3.006 9.004 0.84 0.86 0.88 0.90 0.92 0.95 0.97 0.99 1.02 1.04	g/cm ³ kJ/(kg 56.1 56.0 55.9 55.8 55.7 55.6 <b>55.5</b> 55.4 55.3 55.2	sigma 0.95 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97 0.98	Δ-eps 2.2 1.9 1.6 1.3 1.1 0.8 0.6 0.3 0.1 -0.1	<u>A-sigma</u> -12.2     -10.1     -8.0     -5.8     -3.8     -1.5     0.7     2.9     5.0     6.3	Dev. Permittivity % 2552222.	5 0 5 0 5 0 5 0 5 0 5	650	700				900	950	100
Test D Operation TSL D TSL D TSL H 600 625 650 675 700 725 <b>750</b> 775 800 825 838	ate or onal Ir ensity eat-ca 57.3 57.1 56.8 56.6 56.3 56.6 56.3 55.9 55.6 55.4 55.2 55.1	Pacity Pacity 25.02 24.67 24.32 24.02 23.71 23.48 23.25 23.04 22.65 22.56	20-Ju CL ation 1.212 3.006 sigma 0.84 0.86 0.90 0.92 0.92 0.92 0.92 0.99 1.02 1.04 1.05	g/cm ³ kJ/(kg 56.1 56.0 55.9 55.8 55.7 55.6 <b>55.5</b> 55.4 55.3	sigma 0.95 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97	Δ-eps 2.2 1.9 1.6 1.3 1.1 0.8 0.6 0.3 0.1	Δ-sigma -12.2 -10.1 -8.0 -5.8 -3.8 -1.5 0.7 2.9 5.0	Dev. Permittivity % 2552222.	5 0 5 5 0 5 0 600	650	700				900	950	100
Test D Operation TSL D TSL H (MHz) 600 625 650 675 700 725 700 775 800 825	ate or onal Ir ensity eat-ca e' 57.3 57.1 56.8 56.6 56.6 56.6 55.9 55.6 55.4 55.2	nforma pacity rred 25.02 24.67 24.32 24.02 23.71 23.48 23.25 23.04 22.82 22.65	20-Ju CL 1.212 3.006 9.004 0.84 0.86 0.88 0.90 0.92 0.95 0.97 0.99 1.02 1.04	g/cm ³ kJ/(kg 56.1 56.0 55.9 55.8 55.7 55.6 <b>55.5</b> 55.4 55.3 55.2 55.2	sigma 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97 0.98 0.98	Δ-eps 2.2 1.9 1.6 1.3 1.1 0.8 0.6 0.3 0.1 -0.1 -0.3	<u>A-sigma</u> -12.2     -10.1     -8.0     -5.8     -3.8     -1.5     0.7     2.9     5.0     6.3     6.9	% 7. 5. 2. -2. -2. -5. -10. -10. -10. -10. -7. -10. -7. -10. -7. -10. -7. -10. -7. -7. -7. -7. -7. -7. -7. -7. -7. -7	5 0 5 0 5 0 600	650	700				900	950	100
Test D Operation TSL D TSL H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ate or onal Ir ensity eat-ca 57.3 57.1 56.8 56.6 56.6 55.6 55.6 55.6 55.4 55.2 55.1 54.9	red 25.02 24.67 24.32 24.02 23.71 23.48 23.05 22.65 22.65 22.25 22.56 22.47	20-Ju CL ation 1.212 3.006 sigma 0.84 0.86 0.90 0.92 0.92 0.95 0.97 0.99 1.02 1.04 1.05 1.06	g/cm ³ kJ/(kg eps 56.1 55.9 55.8 55.7 55.6 55.5 55.4 55.3 55.2 55.2 55.2 55.2	sigma 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97 0.98 0.98 0.99	Δ-eps           2.2           1.9           1.6           1.3           1.1           0.8           0.6           0.3           0.1           -0.1           -0.3           -0.4	<u>A-sigma</u> -12.2     -10.1     -8.0     -5.8     -3.8     -1.5     0.7     2.9     5.0     6.3     6.9     7.5	% 7. 5. 2. -2. -2. -5. -10. -10. -10. -10. -7. -10. -7. -10. -7. -10. -7. -10. -7. -7. -7. -7. -7. -7. -7. -7. -7. -7	5 0 5 0 5 0 600	650	700				900	950	100
Test D Operation TSL D TSL H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ate or onal Ir ensity eat-ca 57.3 57.1 56.8 56.6 55.4 55.6 55.4 55.4 55.1 55.1 55.4 55.4 55.4 55.1	red 25.02 24.67 24.32 24.02 23.71 23.48 23.71 23.48 23.25 22.65 22.47 22.42	20-Ju cL ation 1.212 3.006 sigma 0.84 0.84 0.86 0.88 0.90 0.92 0.95 0.97 0.99 1.02 1.04 1.05 1.06 1.09	g/cm ² kJ/(kg 56.1 55.9 55.6 55.7 55.6 55.4 55.3 55.2 55.2 55.2 55.2 55.2 55.2 55.2	sigma 0.95 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97 0.98 0.98 0.98 0.99 1.02	∆-eps           2.2           1.9           1.6           1.3           1.1           0.8           0.6           0.3           0.1           -0.1           -0.3           -0.4           -0.7	▲-sigma -12.2 -10.1 -8.0 -5.8 -3.8 -1.5 0.7 2.9 5.0 6.3 6.9 7.5 6.7	% 7. 5. 2. -2. -2. -5. -10. -10. -10. -10. -7. -10. -7. -10. -7. -10. -7. -10. -7. -7. -7. -7. -7. -7. -7. -7. -7. -7	5 0 5 0 5 0 600	650	700				900	950	100
Test D Operati Addititi TSL D TSL H 600 625 650 675 700 725 750 775 800 825 838 850 875 900	ate or onal Ir ensity eat-caa <b>Measu</b> e' 57.3 57.1 56.8 56.6 56.3 55.6 55.6 55.6 55.9 55.6 55.2 55.2 55.2 55.7 54.9 54.9 54.7 54.5	nforma pacity 25:02 24:67 24:32 24:7 23:48 23:25 23:04 22:82 22:56 22:56 22:47 22:34 22:21	20-Ju cL 1.212 3.006 sigma 0.84 0.86 0.88 0.90 0.92 0.95 0.97 0.99 1.02 1.04 1.05 1.06 1.09 1.11 1.14	g/cm ² kJ/(kg 56.1 55.9 55.8 55.7 55.6 <b>55.5</b> 55.4 55.3 55.2 55.2 55.2 55.2 55.2 55.2 55.2	sigma 0.95 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97 0.97 0.98 0.98 0.99 1.02 1.05	∆-eps           2.2           1.9           1.6           1.3           1.1           0.8           0.3           0.1           -0.3           -0.4           -0.7           -0.9	<u>A-sigma</u> -12.2 -10.1 -8.0 -5.8 -3.8 -3.8 -1.5 <b>0.7</b> 2.9 5.0 6.3 6.9 7.5 6.7 5.9	% 7. 5. 2. -2. -2. -5. -10. -10. -10. -10. -7. -10. -7. -10. -7. -10. -7. -10. -7. -7. -7. -7. -7. -7. -7. -7. -7. -7	5 0 5 0 5 0 600 600	650	700				900	950	100
Test D Operation TSL D TSL D TSL H 600 625 650 675 700 725 700 725 800 825 838 850 850 875 905 925	ate or oral Ir ensity eat-ca for 57.3 57.1 56.8 56.6 56.3 56.6 56.3 56.6 56.3 55.9 55.9 55.4 55.2 55.4 55.2 55.4 54.5 54.5 54.5	nforma pacity 25.02 24.67 24.32 24.32 24.32 24.32 24.32 23.34 23.34 23.25 22.85 22.85 22.85 22.85 22.82 22.82 22.82 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 22.84 23.84 23.84 23.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.84 24.8	20-Ju tion 1.212 3.006 sigma 0.84 0.86 0.90 0.92 0.95 0.97 0.99 1.02 1.04 1.05 1.06 1.09 1.11 1.14 1.16	g/cm ³ kJ/(kg 56.1 56.0 55.9 55.6 55.6 55.6 55.5 55.6 55.2 55.2 55.2	sigma 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97 0.97 0.98 0.98 0.99 1.02 1.05 1.06	∆-eps           2.2           1.9           1.6           1.3           1.1           0.8           0.3           0.1           -0.3           -0.4           -0.7           -0.9           -1.3	▲-sigma -12.2 -10.1 -8.0 -5.8 -3.8 -3.8 -1.5 0.7 2.9 6.3 6.9 7.5 6.7 5.9 6.9	Conductivity % 25 5 2 4 20 01- 01- 01- 01- 01-	5 0 5 0 5 0 600	650	700				900	950	100

Figure D-2 750MHz Body Tissue Equivalent Matter

	FCC ID: ZNFX420MM		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
	Test Dates:	DUT Type:			APPENDIX D:
	04/14/19 - 05/02/19	Portable Handset			Page 2 of 6
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Schmid & Partner Engineering AG	S	p	е	а	g	
Zeughausstrasse 43, 8004 Zurich, Switzerland						

Phone +41 44 245 9700, Fax +41 44 245 9779 info@speag.com, http://www.speag.com

#### Measurement Certificate / Material Test

Item Name	Head Tissue Simulating Liquid (HSL750V2)	
Product No.	SL AAH 075 AA (Batch: 170612-4)	
Manufacturer	SPEAG	

Measurement Method TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation Validation results were within  $\pm 2.5\%$  towards the target values of Methanol.

Target Parameters Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

#### **Test Condition**

Ambient	Environment temperature (00 + 0)00 and humidite = 700(
	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

#### Additional Information

TSL Density 1.284 g/cm³ TSL Heat-capacity 2.701 kJ/(kg*K)

	arget [%]	Diff.to Ta	t	Targe		red	Measu	
	∆-sigma	∆-eps	sigma	eps	sigma	e"	e'	f [MHz]
N %	-13.1	6.7	0.88	42.7	0.77	22.97	45.6	600
Permittivity	-10.6	6.2	0.88	42.6	0.79	22.73	45.2	625
Ē	-8.2	5.6	0.89	42.5	0.81	22.49	44.9	650
l a	-5.8	5.1	0.89	42.3	0.84	22.27	44.5	675
Dev.	-3.5	4.6	0.89	42.2	0.86	22.05	44.2	700
	-1.0	4.2	0.89	42.1	0.88	21.88	43.8	725
	1.4	3.8	0.89	41.9	0.91	21.72	43.5	750
	3.7	3.4	0.90	41.8	0.93	21.55	43.2	775
_	6.0	2.9	0.90	41.7	0.95	21.38	42.9	800
	7.5	2.4	0.91	41.6	0.97	21.24	42.6	825
	8.2	2.2	0.91	41.5	0.99	21.17	42.5	838
	8.9	2.0	0.92	41.5	1.00	21.09	42.3	850
8	8.3	1.2	0.94	41.5	1.02	20.98	42.0	875
- fix	7.7	0.5	0.97	41.5	1.05	20.87	41.7	900
Conductivity	8.7	0.0	0.98	41.5	1.07	20.76	41.5	925
ouo	9.7	-0.6	0.99	41.4	1.09	20.64	41.2	950
	10.9	-1.1	1.00	41.4	1.11	20.55	40.9	975
Dev.	12.1	-1.7	1.01	41.3	1.14	20.46	40.6	1000

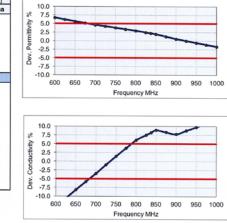


Figure D-3 750MHz Head Tissue Equivalent Matter

	FCC ID: ZNFX420MM		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
	Test Dates:	DUT Type:			APPENDIX D:
	04/14/19 - 05/02/19	Portable Handset			Page 3 of 6
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3 Composition / Info	ormation on in	gredients
The Item is composed of t	he following ingre	dients:
Water	50 - 73 %	
Non-ionic detergents	25 - 50 %	polyoxyethylenesorbitan monolaurate
NaCl	0 - 2%	
Preservative	0.05 - 0.1%	Preventol-D7
Safety relevant ingredients		
CAS-No. 55965-84-9	< 0.1 %	aqueous preparation, containing 5-chloro-2-methyl-3(2H)- isothiazolone and 2-methyyl-3(2H)-isothiazolone
CAS-No. 9005-64-5	<50 %	polyoxyethylenesorbitan monolaurate
According to international marked by symbols.	guidelines, the pro-	oduct is not a dangerous mixture and therefore not required to be

#### Figure D-4 Composition of 2.4 GHz Head Tissue Equivalent Matter

**Note:** 2.4 GHz head liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

Schmid	i & Part	tner Er	gineer	ing AG						s	р	_	e	é	2	_	g	_	_	_
Phone	+41 44 peag.co	245 9	700, Fa	ax +41	44 245	59779														
Meas	suren	nent	Certi	ficate	e / Ma	aterial	Test													
ltern N Produ Manuf		r		AH 19			Liquid ( 170619-1		900	-3800	V3)									
Measu	iremei	nt Met	hod																	
TSL d	ielectri	c para	meters	s mea:	sured	using c	alibrated [	DAK pro	obe.			_								
	Valida																			
Valida	tion rea	sults v	vere w	ithin ±	2.5%	towards	s the targe	et value	s of	Meth	anol.	_								
	t Para																			
large	l paran	neters	as de	tined i	n the l	EEE 15	28 and IE	C 6220	)9 C(	omplia	ince sta	anda	rds.			_		-		_
Test C Ambie	Conditi	ion	Envir	oomer	at torm	ooratu:	(22 ± 3)°C	ond b	1000	ditu	709/					_		_		
TSL T	emper	ature	22°C	orimer	n terni	Jeratur	(22 ± 3)°(	2 and h	umi	uity <	1076.									
Test D			20-Ju	in-17																
Opera	IUF	-	CL		-				_			_		-		-	_			_
	onal In	nform		alar	3															
	ensity leat-ca	pacity		g/cm																
	Measu	ured		Targe	1		arget [%]					_								
(MHz)	e' 41.8	e" 12.2	sigma 1.3	eps 40.0	sigma	<b>∆-eps</b> 4.5	∆-sigma -8.2		10.0											
1950	41.6	12.3	1.3	40.0	1.4	4.0	-4.6		5.0	-			-			-				
2000 2050	41.4	12.4	1.4 1.4	40.0	1.4 1.4	3.6 3.3	-1.3 -0.9	Permittivity	2.5				-							
2100	41.1	12.0	1.5	39.8	1.5	3.1	-0.6	Dev. Pe	-2.5				-		-	_				
2150	40.9	12.8 12.9	1.5	39.7 39.6	1.5	2.9 2.7	-0.2	ă	-5.0							-		-	-	
2200	40.7	12.9	1.6	39.6	1.6	25	0.2		-7.5											Ī
2300	40.4	13.2	1.7	39.5 39.4	1.7	2.3	1.1				100 2300	250	0 2700	2900	3100	330	0 350	0 37	00 3	900
2350	40.2	13.3 13.4	1.7 1.8	39.4	1.7	2.1	1.5					Fr	equen	cy MH:	z					
2450	39.8	13.5	1.8	39.2	1.8	1.6	2.6	1 -	_			_			-	-		-	_	
2500 2550	39.7 39.5	13.7 13.7	1.9	39.1 39.1	1.9	1.3	2.6									-		-		-
2600	39.3	13.9	2.0	39.0	2.0	0.8	2.5	1	10.0											1
2650 2700	39.1 39.0	14.0	2.1	38.9 38.9	2.0	0.5	2.6	8	5.0	-		-				-		-		
2750	38.7	14.3	22	38.8	2.1	-0.2	2.6	Conductivity	2.5		-	~	****							
2800 2850	38.6 38.4	14.4	2.2	38.8 38.7	22	-0.4	2.5	Cond	-2.5		-									
2900	38.2	14.6	2.3	38.6	2.3	-1.0	2.6	Dev.	-5.0							-		-		-
2950 3000	38.1 37.9	14.7	2.4 2.5	38.6	2.3 2.4	-1.3	2.6		-7.5		1.00									
3050	37.7	14.8	2.5	38.4	2.5	-2.0	2.8				100 2300	250	0 2700	2900	3100	330	0 350	0 37	00 3	900
3100 3150	37.5 37.3	14.9 15.0	2.6	38.4 38.3	2.5	-2.3	2.8						Freque	ncy M	Hz					
3200	37.1	15.1	2.7	38.3	2.6	-3.0	2.9		-											_
3250 3300	37.0 36.8	15.1 15.2	2.7 2.8	38.2 38.2	2.7	-3.3 -3.6	3.0 3.1													
3350	36.6	15.3	2.8	38.1	2.8	-3.9	3.2													
3400 3450	36.4	15.3	2.9 3.0	38.0 38.0	2.8	-4.2	3.3													
3500	36.3	15.4	3.0	38.0	2.9	-4.5	3.5	1												
3550	36.0	15.5	3.1	37.9	3.0	-5.0	3.6	1												
3600 3650	35.8 35.7	15.6 15.7	3.1 3.2	37.8 37.8	3.0 3.1	-5.3 -5.6	3.8 3.7													
3700	35.5	15.7	3.2	37.7	3.1	-5.8	3.9	1												
3750 3800	35.4	15.8 15.9	3.3 3.4	37.6	3.2	-6.1 -6.3	3.9 4.1													
3850	35.1	15.9		37.5	3.3	-6.6	4.1													

Figure D-5 2.4 GHz Head Tissue Equivalent Matter

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#### 2 Composition / Information on ingredients

## Figure D-6

### Composition of 5 GHz Head Tissue Equivalent Matter

**Note:** 5 GHz head liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

Schmi	id & Par	rtner Er	nginee	ring AG	3			s p e a g
Phone	+41 44	4 245 9	700, F	ax +41	44 24	5 9779		
Mea	Hughausstrasse 43, 8004 Zurich, Switzerland         Thome +11 44 245 9700, Fax +41 44 245 9779         Measurement Certificate / Material Test         Hem Name       Head Tissue Simulating Liquid (HBBL3500-5800V5)         Todut No.       SL AAH 502 AG (Batch: 170613-1)         Anuflacturer       SPEAG         Heasurement Method         St. Gelectric parameters measured using calibrated DAK probe.         iotaget Parameters         Target Parameters         Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.         Year Data         Validation         Target parameters         St. Temperature         St. Temperature         St. Temperature         St. Temperature         St. Density       0.985 g/cm ³ St. Heat-capacity 3.383 kJ/(kg*k)         Temperature         St. Measured       Target or Target parameters         St. 0.01 7.6 13.03 2.44 37.5 3.32 1.4 4 -15 1.1 3 -0.5 3.30 3.1 4 3 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 3 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1 4 -0.5 3.30 3.1							
		r			12 AG	(Batch:	170613-	1)
Meas	ureme	nt Met	hod					
				s mea	sured	using c	alibrated	DAK probe.
Valida	tion re	sults v	vere w	ithin ±	: 2.5%	towards	the targ	et values of Methanol.
				fined i	n the	FFF 15	28 and I	EC 62200 compliance standards
			40 40	mile u I	uid	LEE 10	LU BIIU IE	LO OZZUG COMPRENCE SIERCEROS.
Ambie	ent		Envir	onmer	nt tem	peratur	(22 ± 3)°(	C and humidity < 70%.
		ature	22°C					
Addit	ional l	nform	ation					
TSL C	ensity		0.985					
ISLE	leat-ca	pacity	3.383	s kJ/(k	g*K)			
								10.0
1 [MHz] 3400								\$ 7.5
3500			2.92	37.9	2.91	1.5		5.0
3600								
3800								
4000	37.9	14.95	3.33	37.4	3.43	1.5	-2.8	
4100 4200								
4300		15.05	3.60	37.0	3.73	1.3	-3.5	
4400 4500								
4600								10.0
4800	0110	15.35		00.0				
4850								
4950	36.6	15.39	4.24	36.3	4.40	0.9	-3.6	0.0
5000 5050								
5100	36.4	15.46	4.39	36.1	4.55	0.8	-3.6	å -7.5 -10.0
5150 5200	36.3 36.2	15.48 15.50	4.43	36.0 36.0	4.60	0.7	-3.8 - <b>3.8</b>	3400 3900 4400 4900 5400 5900
5250 5300	36.1 36.1	15.53 15.55	4.54 4.58	35.9 35.9	4.71 4.76	0.5	-3.5 -3.7	Frequency MHz
5350	36.0	15.56	4.63	35.8	4.81	0.5	-3.7	
5400	35.9 35.9	15.57 15.59	4.68 4.73	35.8 35.7	4.86 4.91	0.4	-3.7	
				35.6	4.91	0.4	-3.7	
5450 5500	35.8	15.61	4.78					
5450	35.8 35.7 35.6	15.61 15.65 15.66	4.78 4.83 4.88	35.6	5.01	0.3	-3.7	
5450 5550 5650 5650	35.7 35.6 35.6	15.65 15.66 15.70	4.83 4.88 4.93	35.6 35.5 35.5	5.07 5.12	0.2 0.4	-3.7 -3.6	
5450 5500 5550 5600	35.7 35.6	15.65 15.66	4.83 4.88	35.6 35.5	5.07 5.12 5.17	0.2	-3.7 -3.6 -3.6	
5450 5500 5550 5600 5650 5700	35.7 35.6 35.6 35.5	15.65 15.66 15.70 15.72	4.83 4.88 4.93 4.98	35.6 35.5 35.5 35.4	5.07 5.12	0.2 0.4 0.2	-3.7 -3.6	

Figure D-7 5 GHz Head Tissue Equivalent Matter

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#### **3 Composition / Information on ingredients** The Item is composed of the following ingredients:

The Item is composed of the fo	ollowing ingred
Water	60 - 80%
Esters, Emulsifiers, Inhibitors	20 - 40%
Sodium salt	0 - 1.5%

#### Figure D-8 Composition of 5 GHz Body Tissue Equivalent Matter

**Note:** 5 GHz Body liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

nfo@s	ausstra +41 44 peag.c	12459	700, F	ax +41	44 24	5 9779				_	p		а	g	
		nent				aterial									
	tame ct No. acture	r	SL A SPE	AM 50	ue Sir 1 EA	nulating (Batch:	g Liquid (l 180423-2	) )	3500-0	5800	V5)				
	ielectri			s mea	sured	using c	alibrated D	AK pr	obe.						
	Validation re-		vere w	ithin ±	2.5%	towards	s <u>the</u> targe	t value	s of N	letha	inol.				
	t Para paran			fined i	n the l	<db 86<="" td=""><td>5664 comp</td><td>liance</td><td>stand</td><td>ard.</td><td></td><td></td><td></td><td></td><td></td></db>	5664 comp	liance	stand	ard.					
Test C Ambie	ondit nt	ion	Envir	onmer	nt tem	peratur	(22 ± 3)°C	and h	umidit	V < 7	0%.				
TSL T Test D Opera		ature	22°C 25-Aj WM												
	onal li	nform													
	ensity eat-ca	pacity		5 g/cm 5 kJ/(k				_		_	_				
[MHz]	Measu e'	e"	ainma	Targe			arget [%]		10.0 -						_
3400	50.7	16.46	sigma 3.11	eps 51.5	sigma 3.20	∆-eps -1.5	Δ-sigma -2.7	38	7.5						
3500	50.5	16.50	3.21	51.3	3.31	-1.6	-3.1	Permittivity	5.0	-		-		-	
3600	50.4	16.56	3.32	51.2 51.1	3.43	-1.5	-3.2	ermi	2.5 -						
3800	50.2	16.72	3.53	50.9	3.66	-1.4	-3.6		-2.5			*******			
3900	50.1	16.81	3.65	50.8	3.78	-1.3	-3.5	Dev	-5.0	_					
			3.77	50.6	3.90	-1.5	-3.3		-7.5						
4000	49.9	16.93													
4000 4100	49.8	17.05	3.89	50.5	4.01	-1.4	-3.1		-10.0	10	3900	4400	4900	5400	590
4000 4100 4200	49.8 49.6	17.05 17.18	3.89 4.01	50.4	4.13	-1.5	-2.9			10	3900	4400 Freque	4900 ancy MHz	5400	590
4000 4100	49.8	17.05	3.89	00.0						10	3900			5400	590
4000 4100 4200 4300	49.8 49.6 49.5	17.05 17.18 17.32	3.89 4.01 4.14	50.4 50.2	4.13 4.25	-1.5 -1.5	-2.9 -2.5		340	10	3900			5400	590
4000 4100 4200 4300 4400 4500 4600	49.8 49.6 49.5 49.3 49.2 49.0	17.05 17.18 17.32 17.46 17.59 17.73	3.89 4.01 4.14 4.27 4.40 4.54	50.4 50.2 50.1 50.0 49.8	4.13 4.25 4.37 4.48 4.60	-1.5 -1.5 -1.6 -1.5 -1.7	-2.9 -2.5 -2.2 -1.8 -1.3		340 10.0 T	0	3900			5400	590
4000 4100 4200 4300 4400 4500 4600 4700	49.8 49.6 49.5 49.3 49.2 49.0 48.8	17.05 17.18 17.32 17.46 17.59 17.73 17.86	3.89 4.01 4.14 4.27 4.40 4.54 4.67	50.4 50.2 50.1 50.0 49.8 49.7	4.13 4.25 4.37 4.48 4.60 4.72	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0	38	340 10.0 7.5	0	3900			5400	590
4000 4100 4200 4300 4400 4500 4600 4700 4800	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80	50.4 50.2 50.1 50.0 49.8 49.7 49.6	4.13 4.25 4.37 4.48 4.60 4.72 4.83	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7	38	340 10.0 T	10	3900			5400	590
4000 4100 4200 4300 4400 4500 4600 4700	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4	38	340 10.0 7.5 5.0	10	3900			5400	590
4000 4100 4200 4300 4400 4500 4500 4500 4800 4850	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80	50.4 50.2 50.1 50.0 49.8 49.7 49.6	4.13 4.25 4.37 4.48 4.60 4.72 4.83	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7	Conductivity %	340 10.0 - 7.5 - 5.0 - 2.5 - 0.0 - -2.5 -	10	3900			5400	590
4000 4100 4200 4300 4400 4500 4500 4800 4850 4850 4950 5000	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.4 49.4	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.2	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1	38	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0	10	3900			5400	590
4000 4100 4200 4300 4400 4500 4600 4700 4800 4850 4900 4950 5000 5050	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.2 48.1	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.4 49.3 49.2	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.2 -2.3	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3	Dev. Conductivity %	340 10.0 - 7.5 - 5.0 - 2.5 - 0.0 - -2.5 - -5.0 - -7.5 -	0	3900			5400	590
4000 4100 4200 4300 4400 4500 4600 4800 4800 4850 4950 5000 5050 5100	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.1 48.0	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14 5.20	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.4 49.3 49.2 49.2	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.18	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.2 -2.3 -2.3	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3 0.3	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0		3900			5400	-
4000 4100 4200 4300 4400 4500 4600 4800 4850 4850 4900 4950 5000 5050 5100 5150	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.5 48.4 48.3 48.2 48.1 48.0 47.9	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34 18.39	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14 5.20 5.27	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.4 49.3 49.2	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.18 5.24	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.2 -2.3	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4400 4500 4600 4800 4800 4850 4950 5000 5050 5100	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.1 48.0	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14 5.20	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.4 49.4 49.3 49.2 49.2 49.2 49.1	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.18	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.1 -2.2 -2.3 -2.3 -2.4	-2.9 -2.5 -2.2 -1.8 -1.3 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3 0.3 0.6	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	590
4000 4100 4200 4300 4400 4500 4600 4800 4800 4800 4800 5000 5000 5100 5100 5100 5200 5300	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.1 48.0 47.9 47.9 47.8 47.7	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34 18.39 <b>18.45</b> 18.50 18.56	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 6.14 5.20 5.27 5.27 5.34 5.40 5.40	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.5 49.4 49.3 49.2 49.2 49.2 49.2 49.1 <b>49.0</b> 48.9 48.9	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.18 5.24 5.30 5.36 5.42	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.1 -2.2 -2.3 -2.4 -2.3 -2.4 -2.3 -2.4	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3 0.3 0.6 0.8 0.8 1.0	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4400 4500 4600 4700 4800 4850 4900 5050 5150 5150 5150 5250 5350 5350	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.1 48.0 47.9 47.9 47.8 47.7 47.6	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34 18.39 <b>18.45</b> 18.50 18.56 18.61	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14 5.20 5.27 5.14 5.20 5.27 5.34	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.3 49.2 49.2 49.2 49.2 49.1 <b>49.0</b> 48.9 48.9 48.9	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.18 5.24 5.30 5.36 5.42 5.47	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.7 -1.8 -1.7 -1.8 -1.7 -1.8 -1.7 -1.8 -1.5 -1.7 -1.8 -1.5 -1.7 -1.8 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3 0.3 0.6 0.8 0.8 0.8 0.8 1.0 1.2	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4400 4500 4600 4700 4800 4800 4900 5000 5100 5150 5200 5300 5300 5300 5300	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.1 48.0 47.9 47.9 47.9 47.6 47.5	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34 18.39 <b>18.34</b> 18.50 18.50 18.50 18.61 18.61	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14 5.27 5.27 5.34 5.40 5.47 5.54	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.3 49.2 49.2 49.2 49.2 49.2 49.1 <b>49.0</b> 48.9 48.9 48.9 48.9	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.12 5.12 5.24 5.24 5.30 5.36 5.42 5.47 5.53	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.1 -2.2 -2.3 -2.3 -2.4 -2.3 -2.4 -2.5 -2.5	-29 -25 -22 -1.8 -1.3 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.3 0.3 0.3 0.6 0.8 1.0 1.2 1.4	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4400 4500 4600 4800 4900 5050 5050 5150 5250 5250 5350 5400 5450	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.8 48.4 48.3 48.2 48.4 48.3 48.2 48.4 48.4 48.3 48.2 48.4 47.9 47.9 47.5 47.5 47.4	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.05 18.11 18.17 18.23 18.29 18.34 18.50 18.56 18.51 18.56 18.61 18.67 18.72	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14 5.27 5.27 5.24 5.40 5.40 5.40 5.41 5.54	50.4 50.2 50.2 50.0 49.8 49.7 49.6 49.5 49.4 49.4 49.4 49.2 49.2 49.2 49.2 49.2	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.18 5.20 5.30 5.32 5.42 5.42 5.42 5.43 5.42	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.1 -2.1 -2.2 -2.3 -2.3 -2.4 -2.3 -2.4 -2.5 -2.5 -2.6	-29 -25 -22 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3 0.6 0.8 0.8 1.0 1.2 1.4 1.6	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4400 4500 4600 4700 4800 4800 4900 5000 5100 5150 5200 5300 5300 5300 5300	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.1 48.0 47.9 47.9 47.9 47.6 47.5	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34 18.39 <b>18.34</b> 18.50 18.50 18.50 18.61 18.61	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.87 5.40 5.00 5.07 5.14 5.20 5.27 5.34 5.40 5.47 5.54 5.54 5.54 5.54 5.54	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.3 49.2 49.2 49.2 49.2 49.2 49.1 <b>49.0</b> 48.9 48.9 48.9 48.9	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 5.01 5.07 5.12 5.18 5.24 5.30 5.36 5.47 5.47 5.47 5.49 5.47 5.49 5.46 5.47	-1.5 -1.5 -1.6 -1.5 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.1 -2.2 -2.3 -2.3 -2.4 -2.3 -2.4 -2.5 -2.5	-29 -25 -22 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3 0.6 0.8 0.8 0.8 0.8 1.0 1.2 1.4 1.6 1.6	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4400 4500 4600 4800 4800 4900 5050 5150 5250 5250 5350 5350 5400 5450	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.3 48.2 48.4 48.3 48.2 48.1 47.9 47.6 47.7 47.6 47.5 47.4 47.5	17.05 17.18 17.32 17.46 17.59 18.05 18.11 18.17 18.29 18.34 18.39 18.50 18.56 18.61 18.67 18.67 18.67	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 4.94 5.00 5.07 5.14 5.27 5.27 5.24 5.40 5.40 5.40 5.41 5.54	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.5 49.4 49.3 49.2 49.2 49.2 49.2 49.2 49.9 48.9 48.9 48.8 48.7 48.6 7 48.8	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.07 5.12 5.18 5.20 5.30 5.32 5.42 5.42 5.42 5.43 5.42	-1.5 -1.5 -1.6 -1.5 -1.8 -1.7 -1.8 -1.9 -2.0 -2.1 -2.1 -2.2 -2.3 -2.3 -2.3 -2.4 -2.3 -2.4 -2.5 -2.6 -2.7	-29 -25 -22 -1.8 -1.3 -1.0 -0.7 -0.4 -0.2 -0.1 0.1 0.3 0.6 0.8 0.8 1.0 1.2 1.4 1.6	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4400 4400 4400 4400 4800 4800 48	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.6 48.5 48.4 48.5 48.4 48.3 48.2 48.1 48.0 47.9 47.9 47.8 47.5 47.4 47.4 47.2	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.29 18.34 18.34 18.39 18.50 18.54 18.50 18.56 18.56 18.67 18.77 18.83	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 4.87 5.00 5.07 5.14 5.20 5.27 5.34 5.40 5.47 5.54 5.68 5.68 5.68 5.68	50.4 50.2 50.2 50.0 49.8 49.7 49.6 49.4 49.5 49.4 49.4 49.3 49.2 49.2 49.2 49.2 49.4 48.9 48.9 48.9 48.8 7 48.6 48.7 48.6 48.7 48.6 48.7 48.6 48.7 48.6 48.7 48.6 48.7 49.7 49.6 49.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.99 5.01 5.07 5.12 5.18 5.24 5.42 5.42 5.45 5.45 5.45 5.47 5.59 5.66	-1.5 -1.5 -1.6 -1.5 -1.6 -1.5 -1.8 -1.7 -1.8 -1.9 -2.0 -2.1 -2.2 -2.3 -2.3 -2.4 -2.5 -2.5 -2.5 -2.5 -2.5 -2.8	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.1 0.1 0.3 0.3 0.6 0.8 1.0 1.2 1.4 1.6 1.8	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4500 4600 4600 4800 4900 5050 5050 5100 5250 5300 5350 5350 5350 5550 5550 55	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.4 48.5 48.4 48.3 48.2 48.1 48.0 47.9 47.9 47.9 47.9 47.5 47.5 47.4 47.5 47.4 47.1 47.0	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.05 18.11 18.11 18.12 18.23 18.29 18.34 18.50 18.50 18.56 18.67 18.67 18.67 18.67 18.67 18.67 18.88 18.87	3.89 4.01 4.14 4.27 4.40 4.57 4.80 4.87 4.94 5.00 5.14 5.20 5.27 5.34 5.40 5.47 5.54 5.54 5.54 5.54 5.54 5.54 5.54	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.3 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.12 5.12 5.18 5.24 5.30 5.32 5.42 5.42 5.42 5.43 5.59 5.59 5.77 5.82 5.88	-15 -15 -16 -15 -17 -18 -19 -20 -21 -21 -22 -23 -23 -24 -23 -23 -24 -23 -24 -25 -25 -26 -27 -28 -27 -28	-2.9 -2.5 -2.2 -1.8 -1.0 -0.7 -0.4 -0.2 -0.1 0.3 0.6 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 1.0 1.2 1.4 1.6 1.6 1.6 2.1 2.3	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4400 4400 4500 4600 4800 4800 4800 4800 4800 5000 5100 5100 5300 5300 5300 5300 53	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.4 48.5 48.4 48.5 48.4 48.5 48.4 48.5 48.4 48.5 48.4 48.5 47.9 47.6 47.5 47.6 47.5 47.4 47.1 47.2 47.1 47.2 47.1 47.0 46.9	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.11 18.17 18.23 18.34 18.39 18.34 18.50 18.56 18.61 18.67 18.72 18.72 18.83 18.88 18.99 19.04	3.89 4.01 4.14 4.27 4.40 4.54 4.67 4.80 5.00 5.07 5.14 5.20 5.27 5.54 5.40 5.47 5.54 5.56 5.68 5.68 5.96 5.88 5.96 5.92 5.94 5.81 5.88	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.7 49.6 49.4 49.7 49.4 49.3 49.2 49.2 49.2 49.2 49.2 49.2 48.9 48.9 48.9 48.8 48.7 48.6 48.5 48.5 48.5 48.5 48.5 48.5 48.5 48.5	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.07 5.12 5.24 5.24 5.30 5.36 5.36 5.36 5.59 5.59 5.88 5.84	-15 -15 -16 -15 -17 -18 -19 -20 -21 -21 -22 -23 -24 -23 -24 -23 -24 -25 -26 -27 -28 -28 -28 -28 -28 -28 -28 -28	-2.9 -2.5 -2.2 -1.8 -1.3 -1.0 -0.7 -0.4 -0.1 0.1 0.3 0.3 0.6 0.8 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.1	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-
4000 4100 4200 4300 4500 4600 4600 4800 4900 5050 5050 5100 5250 5300 5350 5350 5350 5550 5550 55	49.8 49.6 49.5 49.3 49.2 49.0 48.8 48.4 48.5 48.4 48.3 48.2 48.1 48.0 47.9 47.9 47.9 47.9 47.5 47.5 47.4 47.5 47.4 47.1 47.0	17.05 17.18 17.32 17.46 17.59 17.73 17.86 17.99 18.05 18.05 18.11 18.11 18.12 18.23 18.29 18.34 18.50 18.50 18.56 18.67 18.67 18.67 18.67 18.67 18.67 18.88 18.87	3.89 4.01 4.14 4.27 4.40 4.57 4.80 4.87 4.94 5.00 5.14 5.20 5.27 5.34 5.40 5.47 5.54 5.54 5.54 5.54 5.54 5.54 5.54	50.4 50.2 50.1 50.0 49.8 49.7 49.6 49.5 49.4 49.3 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2	4.13 4.25 4.37 4.48 4.60 4.72 4.83 4.89 4.95 5.01 5.12 5.12 5.18 5.24 5.30 5.32 5.42 5.42 5.42 5.43 5.59 5.59 5.77 5.82 5.88	-15 -15 -16 -15 -17 -18 -19 -20 -21 -21 -22 -23 -23 -24 -23 -23 -24 -23 -24 -25 -25 -26 -27 -28 -27 -28	-2.9 -2.5 -2.2 -1.8 -1.0 -0.7 -0.4 -0.2 -0.1 0.3 0.6 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 1.0 1.2 1.4 1.6 1.6 1.6 2.1 2.3	Dev. Conductivity %	340 10.0 7.5 5.0 2.5 0.0 -2.5 -5.0 -7.5 -10.0			Freque	ancy MHz	****	-

Figure D-9 5 GHz Body Tissue Equivalent Matter

	FCC ID: ZNFX420MM		SAR EVALUATION REPORT	🕒 LG	Approved by: Quality Manager
	Test Dates:	DUT Type:			APPENDIX D:
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# APPENDIX E: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

					DAN Sy	SLEIII V	anuali	<u>on Summa</u>	iiy - ig				
SAR	Freq.		Probe			Cond.	Perm.	C	W VALIDATIO	N	MOD.	VALIDATI	ON
System	(MHz)	Date	SN	Probe C	Cal Point	(σ)	(Er)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
Н	750	9/5/2018	7409	750	Head	0.887	41.851	PASS	PASS	PASS	N/A	N/A	N/A
D	835	4/12/2019	3914	835	Head	0.935	42.549	PASS	PASS	PASS	GMSK	PASS	N/A
E	1750	2/6/2019	3589	1750	Head	1.363	41.67	PASS	PASS	PASS	N/A	N/A	N/A
Н	1900	7/16/2018	7409	1900	Head	1.425	40.935	PASS	PASS	PASS	GMSK	PASS	N/A
E	2450	2/5/2019	3589	2450	Head	1.825	39.836	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
Е	2600	2/7/2019	3589	2600	Head	1.964	40.46	PASS	PASS	PASS	TDD	PASS	N/A
Н	5250	7/5/2018	7409	5250	Head	4.492	34.994	PASS	PASS	PASS	OFDM	N/A	PASS
Н	5600	7/5/2018	7409	5600	Head	4.839	34.496	PASS	PASS	PASS	OFDM	N/A	PASS
Н	5750	7/5/2018	7409	5750	Head	4.995	34.288	PASS	PASS	PASS	OFDM	N/A	PASS
L	750	11/6/2018	7308	750	Body	0.962	53.923	PASS	PASS	PASS	N/A	N/A	N/A
J	835	3/10/2019	7488	835	Body	0.988	53.868	PASS	PASS	PASS	GMSK	PASS	N/A
J	1750	2/7/2019	7488	1750	Body	1.509	51.017	PASS	PASS	PASS	N/A	N/A	N/A
G	1900	8/10/2018	7410	1900	Body	1.567	52.239	PASS	PASS	PASS	GMSK	PASS	N/A
K	2450	3/6/2019	7417	2450	Body	2.039	50.67	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K	2600	3/6/2019	7417	2600	Body	2.224	50.17	PASS	PASS	PASS	TDD	PASS	N/A
L	5250	10/29/2018	7308	5250	Body	5.511	48.77	PASS	PASS	PASS	OFDM	N/A	PASS
L	5750	10/29/2018	7308	5750	Body	6.219	47.96	PASS	PASS	PASS	OFDM	N/A	PASS

 Table E-1

 SAR System Validation Summary – 1g

	FCC ID: ZNFX420MM		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
	Test Dates:	DUT Type:			APPENDIX E:
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SAR	Freq.		Probe			Cond. P	Perm.	C	W VALIDATIO	N	MOD. VALIDATION		
System	(MHz)	Date	SN	Probe C	al Point	(σ)	renn. (εr)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
J	1750	2/7/2019	7488	1750	Body	1.509	51.017	PASS	PASS	PASS	N/A	N/A	N/A
D	1750	4/29/2019	3914	1750	Body	1.529	51.886	PASS	PASS	PASS	N/A	N/A	N/A
G	1900	8/10/2018	7410	1900	Body	1.567	52.239	PASS	PASS	PASS	GMSK	PASS	N/A
K	2450	3/6/2019	7417	2450	Body	2.039	50.67	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K	2600	3/6/2019	7417	2600	Body	2.224	50.17	PASS	PASS	PASS	TDD	PASS	N/A
L	2450	11/6/2018	7308	2450	Body	2.022	51.315	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
L	5250	10/29/2018	7308	5250	Body	5.511	48.77	PASS	PASS	PASS	OFDM	N/A	PASS
L	5750	10/29/2018	7308	5750	Body	6.219	47.96	PASS	PASS	PASS	OFDM	N/A	PASS

Table E-2 SAR System Validation Summary – 10g

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

	FCC ID: ZNFX420MM		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
	Test Dates:	DUT Type:			APPENDIX E:
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# APPENDIX G POWER REDUCTION VERIFICATION

Per the May 2017 TCBC Workshop Notes, demonstration of proper functioning of the power reduction mechanisms is required to support the corresponding SAR configurations. The verification process was divided into two parts: (1) evaluation of output power levels for individual or multiple triggering mechanisms and (2) evaluation of the triggering distances for proximity-based sensors.

## G.1 Power Verification Procedure

The power verification was performed according to the following procedure:

- 1. A base station simulator was used to establish a conducted RF connection and the output power was monitored. The power measurements were confirmed to be within expected tolerances for all states before and after a power reduction mechanism was triggered.
- 2. Step 1 was repeated for all relevant modes and frequency bands for the mechanism being investigated.
- 3. Steps 1 and 2 were repeated for all individual power reduction mechanisms and combinations thereof. For the combination cases, one mechanism was switched to a 'triggered' state at a time; powers were confirmed to be within tolerances after each additional mechanism was activated.

## G.2 Distance Verification Procedure

The distance verification procedure was performed according to the following procedure:

- 1. A base station simulator was used to establish an RF connection and to monitor the power levels. The device being tested was placed below the relevant section of the phantom with the relevant side or edge of the device facing toward the phantom.
- The device was moved toward and away from the phantom to determine the distance at which the mechanism triggers and the output power is reduced, per KDB Publication 616217 D04v01r02 and FCC Guidance. Each applicable test position was evaluated. The distances were confirmed to be the same or larger (more conservative) than the minimum distances provided by the manufacturer.
- 3. Steps 1 and 2 were repeated for low, mid, and high bands, as appropriate (see note below Table G-2 for more details).
- 4. Steps 1 through 3 were repeated for all distance-based power reduction mechanisms.

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# G.3 Main Antenna Verification Summary

Mechanism(s)		Conducted Power (dBm)										
1st	Mode/Band	Un-triggered (Max)	Mechanism #1 (Reduced)									
Grip	UMTS 1750	23.69	22.21									
Grip	UMTS 1900	23.81	22.39									
Grip	LTE FDD Band 66	24.40	21.78									
Grip	LTE FDD Band 4	24.00	21.48									
Grip	LTE FDD Band 25	24.40	22.72									
Grip	LTE FDD Band 2	24.25	22.90									
Grip	LTE FDD Band 7	24.18	22.74									

 Table G-1

 Power Measurement Verification for Main Antenna

 Table G-2

 Distance Measurement Verification for Main Antenna

Machanicm(c)	Test Condition	Band	Distance Measu	urements (mm)	Minimum Distance per	
Mechanism(s)	Test Condition	Band	Moving Toward	Moving Away	Manufacturer (mm)	
Grip	Phablet - Back Side	Mid	4	6	4	
Grip	Phablet - Back Side	High	4	6	4	
Grip	Phablet - Front Side	Mid	4	6	4	
Grip	Phablet - Front Side	High	4	6	4	
Grip	Phablet - Bottom Edge	Mid	6	8	5	
Grip	Phablet - Bottom Edge	High	6	8	5	

*Note: Mid band refers to: UMTS B2/4, LTE B2/4/25/66; High band refers to: LTE B7

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# G.4 WIFI Verification Summary

Power Measurement Verification WIFI											
Mechanism(s)		Conducted Power (dBm)									
1st			Mechanism #1 (Reduced)								
Held-to-Ear	802.11b	21.98	16.74								
Held-to-Ear	802.11g	21.32	17.03								
Held-to-Ear	802.11n (2.4GHz)	19.97	16.73								
Held-to-Ear	802.11a	18.00	13.49								
Held-to-Ear	802.11n (5GHz, 20MHz BW)	15.48	13.5								
Held-to-Ear	802.11ac (20MHz BW)	15.99	12.49								
Held-to-Ear	802.11n (5GHz, 40MHz BW)	14.45	12.97								
Held-to-Ear 802.11ac (40MHz BW)		13.83	12.12								

Table G-3 Power Measurement Verification WIFI

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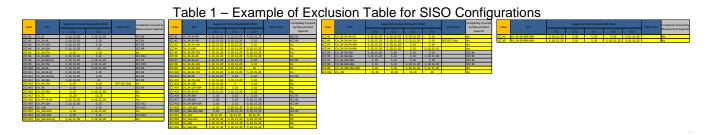
# APPENDIX H: DOWNLINK LTE CA RF CONDUCTED POWERS

## 1.1 LTE Downlink Only Carrier Aggregation Test Reduction Methodology

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number of component carriers (CCs) supported by the product implementation. Per April 2018 TCBC Workshop Notes, the following test reduction methodology was applied to determine the combinations required for conducted power measurements.

LTE DLCA Test Reduction Methodology:

- The supported combinations were arranged by the number of component carriers in columns.
- Any limitations on the PCC or SCC for each combination were identified alongside the combination (e.g. CA_2A-2A-4A-12A, but B12 can only be configured as a SCC).
- Power measurements were performed for "supersets" (LTE CA combinations with multiple components carriers) and any "subsets" (LTE CA combinations with fewer component carriers) that were not completely covered by the supersets.
- Only subsets that have the exact same components as a superset were excluded for measurement.
- When there were certain restrictions on component carriers that existed in the superset that were not applied for the subset, the subset configuration was additionally evaluated.
- Both inter-band and intra-band downlink carrier aggregation scenarios were considered.



## 1.2 LTE Downlink Only Carrier Aggregation Test Selection and Setup

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by the product implementation. For those configurations required by April 2018 TCBC Workshop Notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation inactive for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

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Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the maximum average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive. All bands required for SAR testing per FCC KDB procedures were considered. Based on the measured maximum powers below, no additional SAR tests were required for DLCA SAR configurations.

General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KDB 941225 D05 V01r02. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.
- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.
- All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.

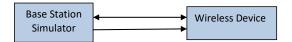


Figure 1 DL CA Power Measurement Setup

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# 1.3 Downlink Carrier Aggregation RF Conducted Powers

## 1.3.1 LTE Band 71 as PCC

Table 1 Maximum Output Powers															
					PCC						sc	C 1		Por	wer
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-71A	LTE B71	5	133147	665.5	QPSK	1	24	68611	619.5	LTE B2	20	900	1960	24.70	24.70
CA_4A-71A	LTE B71	5	133147	665.5	QPSK	1	24	68611	619.5	LTE B4	20	2175	2132.5	24.69	24.70
CA_66A-71A	LTE B71	5	133147	665.5	QPSK	1	24	68611	619.5	LTE B66	20	66786	2145	24.67	24.70

# 1.3.2 LTE Band 12 as PCC

Table 2 Maximum Output Powers

	PCC								SCC 1				Power		
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-12A (1)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	LTE B2	20	900	1960	25.20	25.20
CA_4A-12A (1)	LTE B12	5	23155	713.5	QPSK	1	0	5155	743.5	LTE B4	20	2175	2132.5	25.18	25.11
CA_4A-12A (2)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	LTE B4	20	2175	2132.5	25.20	25.20
CA_12A-66A (1)	LTE B12	5	23155	713.5	QPSK	1	0	5155	743.5	LTE B66	20	66786	2145	25.17	25.11
CA_12A-66A (2)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	LTE B66	20	66786	2145	25.16	25.20

# 1.3.3 LTE Band 66 as PCC

Table 3Maximum Output Powers

	PCC								SCC 1				Power		
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-66A	LTE B66	15	132597	1772.5	QPSK	1	0	67061	2172.5	LTE B2	20	900	1960	24.32	24.40
CA_12A-66A (1)	LTE B66	15	132597	1772.5	QPSK	1	0	67061	2172.5	LTE B12	10	5095	737.5	24.34	24.40
CA_12A-66A (2)	LTE B66	15	132597	1772.5	QPSK	1	0	67061	2172.5	LTE B12	10	5095	737.5	24.34	24.40
CA_66A-66A	LTE B66	15	132597	1772.5	QPSK	1	0	67061	2172.5	LTE B66	20	66536	2120	24.33	24.40
CA_66A-71A	LTE B66	15	132597	1772.5	QPSK	1	0	67061	2172.5	LTE B71	20	68761	634.5	24.40	24.40
CA_66B	LTE B66	15	132597	1772.5	QPSK	1	0	67061	2172.5	LTE B66	5	66968	2163.2	24.33	24.40
CA_66C	LTE B66	15	132597	1772.5	QPSK	1	0	67061	2172.5	LTE B66	20	66890	2155.4	24.37	24.40

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