

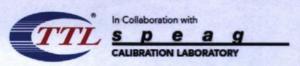


10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAA	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	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAC	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10468	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10469	-		LTE-TDD	7.82	± 9.6 %
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	8.32	± 9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)		8.57	± 9.6 %
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD		
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TOD	8.32	± 9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
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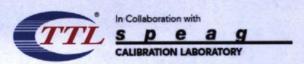
E-mail: emf@caict.ac.cn http://www.caict.ac.cn

10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAF	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10523	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6 %
10533	AAE	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAF	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	±9.6%
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	±9.6%
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
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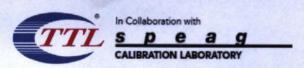
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10577 10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 16 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
			WLAN	8.76	± 9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)			
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCSS, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.59	-
10615	AAC		WLAN		± 9.6 %
		IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)		8.82	±9.6%
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %

Certificate No:J23Z60233

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E-mail: emf@caict.ac.cn http://www.caict.ac.cn

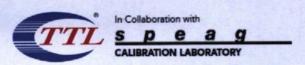
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAC	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAC	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAD	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	±9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
	1.001				
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %

Certificate No:J23Z60233

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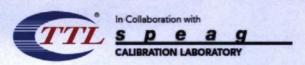


10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 9
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %

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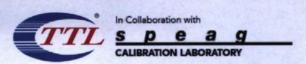
AAC	IEEE 802.11ax (1	60MHz, MCS0, 99pc dc)	

10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6%
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6%
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %

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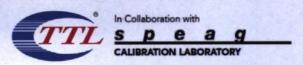
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
			5G NR FR1 TDD	7.68	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)			
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10891		5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6%
	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR2 TDD 5G NR FR1 TDD	8.41 5.66	± 9.6 % ± 9.6 %

Certificate No:J23Z60233

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19900   AAD   5G NR (DFT-6-OFDM, 1 RB, 20 MHz, QPSK, 30 Hz)	+06%	5.67	5G NR FR1 TDD	AAD SO NO (DET a DEDM 1 DR 15 MHz DOCK 20 kHz)	0000
19901   AAD   5G NR (DFT-6-OFDM, 1 RB, 25 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.68     19903   AAD   5G NR (DFT-6-OFDM, 1 RB, 40 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.68     19904   AAD   5G NR (DFT-6-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.68     19905   AAD   5G NR (DFT-6-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.68     19906   AAD   5G NR (DFT-6-OFDM, 1 RB, 60 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.68     19906   AAD   5G NR (DFT-6-OFDM, 1 RB, 60 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.68     19907   AAD   5G NR (DFT-6-OFDM, 1 RB, 60 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.78     19908   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.78     19909   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.78     19909   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.78     19910   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.78     19911   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.89     19912   AAD   5G NR (DFT-6-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.89     19914   AAD   5G NR (DFT-6-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.89     19915   AAD   5G NR (DFT-6-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19916   AAD   5G NR (DFT-6-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19916   AAD   5G NR (DFT-6-OFDM, 50% RB, 30 Mtz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19916   AAD   5G NR (DFT-6-OFDM, 50% RB, 30 Mtz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19916   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 Mtz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19916   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 Mtz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19917   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 Mtz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19918   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 Mtz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19919   AAD   5G NR (DFT-6-OFDM, 50% RB, 50 Mtz, QPSK, 30 Hz)   5G NR FRI TDD   5.80     19910   5G	± 9.6 %				
16902   AAD   56 NR (DFT-6-0FDM, 1 RB, 30 MHz, QPSK, 30 kHz)	± 9.6 %	CONTRACTOR OF THE PERSON NAMED IN			
169603   AAD   SG NR (DFT-S-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.68   16905   AAD   SG NR (DFT-S-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.68   16905   AAD   SG NR (DFT-S-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.68   16905   AAD   SG NR (DFT-S-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.68   16905   AAD   SG NR (DFT-S-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.68   16905   AAD   SG NR (DFT-S-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.78   16906   AAD   SG NR (DFT-S-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.78   16909   AAD   SG NR (DFT-S-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.98   16910   AAD   SG NR (DFT-S-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.98   16910   AAD   SG NR (DFT-S-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.89   16911   AAD   SG NR (DFT-S-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.89   16911   AAD   SG NR (DFT-S-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.80   16913   AAD   SG NR (DFT-S-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.84   16914   AAD   SG NR (DFT-S-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.84   16914   AAD   SG NR (DFT-S-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.85   16916   AAD   SG NR (DFT-S-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.86   16916   AAD   SG NR (DFT-S-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.86   16916   AAD   SG NR (DFT-S-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.86   16916   AAD   SG NR (DFT-S-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.86   16916   AAD   SG NR (DFT-S-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.87   16917   AAD   SG NR (DFT-S-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.86   16920   AAD   SG NR (DFT-S-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.86   16922   AAD   SG NR (DFT-S-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.86   16922   AAD   SG NR (	± 9.6 %				
19905   AAD   6G NR (DFT-e-OFDM, 19R, 50 MHz, QPSK, 30 kHz)	± 9.6 %		THE RESERVE AND ADDRESS OF THE PARTY OF THE		
19996   AAD   SG NR (DFT-e-OFDM, 19R, 80 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 68     19907   AAD   SG NR (DFT-e-OFDM, 18R, 80 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 78     19908   AAD   SG NR (DFT-e-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 78     19909   AAD   SG NR (DFT-e-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 78     19910   AAD   SG NR (DFT-e-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 78     19910   AAD   SG NR (DFT-e-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 80     19911   AAD   SG NR (DFT-e-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 81     19912   AAD   SG NR (DFT-e-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 84     19913   AAD   SG NR (DFT-e-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 84     19914   AAD   SG NR (DFT-e-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 84     19915   AAD   SG NR (DFT-e-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 85     19915   AAD   SG NR (DFT-e-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 85     19916   AAD   SG NR (DFT-e-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 85     19917   AAD   SG NR (DFT-e-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19919   AAD   SG NR (DFT-e-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19919   AAD   SG NR (DFT-e-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19919   AAD   SG NR (DFT-e-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19919   AAD   SG NR (DFT-e-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19919   AAD   SG NR (DFT-e-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19919   AAD   SG NR (DFT-e-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19920   AAD   SG NR (DFT-e-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 86     19921   AAD   SG NR (DFT-e-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   S. 81     19922   AAD   SG NR (DFT-e-OFDM, 50% RB, 5	± 9.6 %				
1990	± 9.6 %				
1990   AAD   SG NR (DFT-e-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)   SG NR FRI TDD   5.78	± 9.6 %				
10909	± 9.6 %				0906
10990   AAD   GG NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.96	± 9.6 %	THE RESERVE AND ADDRESS OF THE PARTY OF THE	THE RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NA	AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	0907
10910   AAD   GG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.83   10912   AAD   SG NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10913   AAD   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10913   AAD   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10913   AAD   SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.85   10915   AAD   SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.85   10915   AAD   SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.85   10915   AAD   SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.87   10917   AAD   SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.87   10917   AAD   SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.86   10920   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.86   10920   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.86   10920   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.86   10920   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.87   10921   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.87   10922   AAD   SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.87   10923   AAD   SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10924   AAD   SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10924   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10925   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10925   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.84   10925   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   SG NR FR1 TDD   5.85   10926   AAD   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   SG NR FR1 TDD   5.84   10925	± 9.6 %				
10911   AAD   5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10913   AAD   5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10914   AAD   5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10915   AAD   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.85     10916   AAD   5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87     10917   AAD   5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87     10918   AAD   5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87     10919   AAD   5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86     10920   AAD   5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86     10920   AAD   5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86     10921   AAD   5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87     10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87     10923   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10926   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10928   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 188, 10 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QP	± 9.6 %				0909
10912	± 9.6 %				0910
10913   AAD   5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84	± 9.6 %			AAD 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	0911
10915   AAD   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.85   10916   AAD   5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87   10917   AAD   5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87   10917   AAD   5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86   10918   AAD   5G NR (DFT-s-OFDM, 100% RB, 56 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86   10919   AAD   5G NR (DFT-s-OFDM, 100% RB, 56 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86   10919   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86   10920   AAD   5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87   10921   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87   10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10923   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.95   10928   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.52   10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.52   10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52   10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10933   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   1	± 9.6 %			AAD 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	0912
10915   AAD   5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.83     10916   AAD   5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.94     10917   AAD   5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.96     10918   AAD   5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.86     10920   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.86     10921   AAD   5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.86     10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.86     10923   AAD   5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.82     10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.82     10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.84     10926   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.84     10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.84     10928   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FRI TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   5G NR FRI TDD   5.95     10929   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   5G NR FRI TDD   5.52     10930   AAD   5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)   5G NR FRI FDD   5.52     10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)   5G NR FRI FDD   5.52     10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FRI FDD   5.51     10933   AAA   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FRI FDD   5.51     10934   AAA   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK,	± 9.6 %	5.84	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	0913
10916   AAD   5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87	± 9.6 %	5.85	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	0914
10917   AAD   5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.94	±9.6 %	5.83	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	0915
10918   AAD   5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86   10919   AAD   5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87   10921   AAD   5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87   10921   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10928   AAD   5G NR (DFT-s-OFDM, 108 RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10928   AAD   5G NR (DFT-s-OFDM, 1RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.52   10930   AAD   5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52   10930   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52   10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10933   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10934   AAA   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10935   AAA   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10936   AAA   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10936   AAA   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10936   AAB   5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10936   AAB   5G NR (DFT-s-	± 9.6 %	5.87	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	0916
10919   AAD   5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.86   10920   AAD   5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.87   10921   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.82   10923   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.95   10926   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10928   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84   10928   AAD   5G NR (DFT-s-OFDM, 18, 80 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.52   10930   AAD   5G NR (DFT-s-OFDM, 1RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52   10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52   10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52   10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10932   AAB   5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10934   AAA   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10934   AAA   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10934   AAA   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10934   AAA   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51   10934   AAA   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.50 NR FR1 FDD	± 9.6 %	5.94	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	0917
10920	± 9.6 %	5.86	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	0918
10921   AAD   5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10926   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10928   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10929   AAD   5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   5.94     10929   AAD   5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52     10930   AAD   5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52     10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52     10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10932   AAB   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10933   AAA   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10934   AAA   5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10935   AAA   5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10936   AAC   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10937   AAB   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10938   AAB   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10939   AAB   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.80     10941   AAB   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.82     10942   AAB   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 F	± 9.6 %	5.86	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	0919
10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 10923 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.95 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 10929 AAD 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 10928 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10929 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10930 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10931 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10932 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10934 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10935 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10936 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10937 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10938 AAA 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10931 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10932 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10935 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.59 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10942 AAB 5G NR (DFT-s-OFDM, 5	± 9.6 %	5.87	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	0920
10922   AAD   5G NR (DFT-s-OFDM, 100% RB, 26 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.82	± 9.6 %	5.84	5G NR FR1 TDD	AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	0921
10923   AAD   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10924   AAD   5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84     10925   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.95     10926   AAD   5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.94     10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.94     10928   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.94     10929   AAD   5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52     10929   AAD   5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52     10930   AAD   5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.52     10931   AAD   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10932   AAB   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10933   AAA   5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10934   AAA   5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10935   AAA   5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10936   AAC   5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10937   AAB   5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10938   AAB   5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10939   AAB   5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10939   AAB   5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10939   AAB   5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.51     10939   AAB   5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.82     10940   AAB   5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 FDD   5.83     10941   AAB   5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 F	± 9.6 %	5.82	5G NR FR1 TDD		
10924	± 9.6 %	5.84	5G NR FR1 TDD		
10925	± 9.6 %	5.84	5G NR FR1 TDD		
10926	± 9.6 %	5.95	5G NR FR1 TDD		
10927   AAD   5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.94	± 9.6 %	5.84	5G NR FR1 TDD		
10928         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.52           10929         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.52           10930         AAD         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.52           10931         AAD         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10932         AAB         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10933         AAA         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAA         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAA         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB	± 9.6 %	5.94	5G NR FR1 TDD		
10929	± 9.6 %	5.52	5G NR FR1 FDD		-
10930 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10931 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10932 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10934 AAA 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10935 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10936 AC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10937 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10938 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10944 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10945 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10944 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 10951 AAB 5G NR (DFT-s-	± 9.6 %	5.52	5G NR FR1 FDD		
10931         AAD         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10932         AAB         5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10933         AAA         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAA         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAA         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB	± 9.6 %	5.52	5G NR FR1 FDD		_
10932         AAB         5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10933         AAA         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAA         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAA         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB <td>± 9.6 %</td> <td>5.51</td> <td>5G NR FR1 FDD</td> <td></td> <td></td>	± 9.6 %	5.51	5G NR FR1 FDD		
10933         AAA         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAA         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAA         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.70           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAB<	± 9.6 %	5.51	5G NR FR1 FDD		ACCOUNT OF THE PARTY OF
10934         AAA         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAA         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AA	± 9.6 %	5.51	5G NR FR1 FDD		
10935         AAA         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAB         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947 <td< td=""><td>± 9.6 %</td><td></td><td>and the same of th</td><td></td><td></td></td<>	± 9.6 %		and the same of th		
10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAB         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10946 <t< td=""><td>± 9.6 %</td><td>5.51</td><td></td><td></td><td>-</td></t<>	± 9.6 %	5.51			-
10937         AAB         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.95           10944         AAB         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948	± 9.6 %		A REAL PROPERTY AND ADDRESS OF THE PARTY OF		Secretaria de Carte d
10938         AAB         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.95           10944         AAB         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947         AAB         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10949         AAB         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950	± 9.6 %	5.77			_
10939         AAB         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAB         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947         AAB         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10949         AAB         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAB         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10951	± 9.6 %				
10940         AAB         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAB         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAB         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAB         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.95           10944         AAB         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10947         AAB         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAB         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10949         AAB         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAB         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10951	± 9.6 %				
10941       AAB       5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.83         10942       AAB       5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.85         10943       AAB       5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.95         10944       AAB       5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.81         10945       AAB       5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.85         10946       AAC       5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.83         10947       AAB       5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10948       AAB       5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10949       AAB       5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10950       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10951       AAB       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 F	± 9.6 %	THE RESERVE OF THE PERSON NAMED IN	THE RESIDENCE OF THE PARTY OF T		
10942       AAB       5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.85         10943       AAB       5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.95         10944       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.81         10945       AAB       5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.85         10946       AAC       5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.83         10947       AAB       5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10948       AAB       5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10949       AAB       5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10950       AAB       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10951       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAB       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10953       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1	± 9.6 %		THE RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NA		
10943       AAB       5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.95         10944       AAB       5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.81         10945       AAB       5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.85         10946       AAC       5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.83         10947       AAB       5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10948       AAB       5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10949       AAB       5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10950       AAB       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10951       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10954       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10954       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1	± 9.6 %				
10944         AAB         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947         AAB         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAB         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10949         AAB         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAB         5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAB         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10953         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.15           10954         AAB         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.23           10955 <td>± 9.6 %</td> <td></td> <td></td> <td></td> <td></td>	± 9.6 %				
10945         AAB         5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947         AAB         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAB         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10949         AAB         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAB         5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAB         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10953         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10954         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.23           10955         AAB         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.23           10955 </td <td>± 9.6 %</td> <td></td> <td>NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND PARTY OF THE OWNER,</td> <td></td> <td></td>	± 9.6 %		NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND PARTY OF THE OWNER,		
10946       AAC       5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.83         10947       AAB       5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10948       AAB       5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10949       AAB       5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10950       AAB       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10951       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42	± 9.6 %	The state of the s			
10947       AAB       5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10948       AAB       5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10949       AAB       5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10950       AAB       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10951       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42	± 9.6 %				
10948       AAB       5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10949       AAB       5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10950       AAB       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10951       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42	± 9.6 %				
10949         AAB         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAB         5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAB         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10953         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.15           10954         AAB         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.23           10955         AAB         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.42	± 9.6 %		The same of the sa		
10950     AAB     5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)     5G NR FR1 FDD     5.94       10951     AAB     5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)     5G NR FR1 FDD     5.92       10952     AAB     5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)     5G NR FR1 FDD     8.25       10953     AAB     5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)     5G NR FR1 FDD     8.15       10954     AAB     5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)     5G NR FR1 FDD     8.23       10955     AAB     5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)     5G NR FR1 FDD     8.42	± 9.6 %		THE RESERVE AND ADDRESS OF THE PARTY OF THE		
10951       AAB       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42	± 9.6 %		CONTRACTOR OF THE PARTY OF THE		
10952       AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42	± 9.6 %				
10953       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42	± 9.6 %				
10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42	± 9.6 %				
10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42	± 9.6 %				
	± 9.6 %		AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.		
	± 9.6 %	8.14	5G NR FR1 FDD	AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	
	± 9.6 %				

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10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	1.16	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	8.58	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	10.32	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	3.19	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6 %
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	± 9.6 %
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	± 9.6 %
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 9.6 %
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	± 9.6 %
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	± 9.6 %
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	± 9.6 %
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	± 9.6 %
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	± 9.6 %
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	± 9.6 %
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	± 9.6 %
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	± 9.6 %
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	± 9.6 %
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	± 9.6 %
11013	AAA	IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
11014	AAA	IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)	WLAN	8.45	± 9.6 %
11015	AAA	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11015	AAA	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11017	AAA	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.41	± 9.6 %
11017	AAA	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	± 9.6 %
11019	AAA	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
11019	AAA	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.27	± 9.6 %
11020	AAA	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.46	± 9.6 %
11021	AAA	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.36	± 9.6 %
11022	AAA	IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)	WLAN	8.09	-
11023			The state of the s		± 9.6 %
11024	AAA	IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN	8.42	± 9.6 %
	AAA	IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)	WLAN	8.37	± 9.6 %
11026	AAA	IEEE 802.11be (320MHz, MCS0, 99pc duty cycle)	WLAN	8.39	± 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.

Certificate No:J23Z60233

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# **ANNEX H** Dipole Calibration Certificate

## 2450MHz Dipole Calibration Certificate

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





S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
Servizio svizzero di taratura
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

CTTL-BJ (Auden)

Certificate No: D2450V2-1090 Nov22

CALIBRATION CERTIFICATE Object D2450V2 - SN:1090 QA CAL-05.v11 Calibration procedure(s) Calibration Procedure for SAR Validation Sources between 0.7-3 GHz Calibration date: November 15, 2022 This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties 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-22 (No. 217-03525/03524) Apr-23 Power sensor NRP-Z91 SN: 103244 04-Apr-22 (No. 217-03524) Apr-23 Power sensor NRP-Z91 SN: 103245 04-Apr-22 (No. 217-03525) Apr-23 Reference 20 dB Attenuator SN: BH9394 (20k) 04-Apr-22 (No. 217-03527) Apr-23 Type-N mismatch combination SN: 310982 / 06327 04-Apr-22 (No. 217-03528) Apr-23 Reference Probe EX3DV4 SN: 7349 31-Dec-21 (No. EX3-7349 Dec21) Dec-22 DAE4 SN: 601 31-Aug-22 (No. DAE4-601\_Aug22) Aug-23 Secondary Standards Check Date (in house) Scheduled Check Power meter E4419B SN: GB39512475 30-Oct-14 (in house check Oct-22) In house check: Oct-24 Power sensor HP 8481A SN: US37292783 07-Oct-15 (in house check Oct-22) In house check: Oct-24 Power sensor HP 8481A SN: MY41093315 07-Oct-15 (in house check Oct-22) In house check: Oct-24 RF generator R&S SMT-06 SN: 100972 15-Jun-15 (in house check Oct-22) In house check: Oct-24 Network Analyzer Agilent E8358A SN: US41080477 31-Mar-14 (in house check Oct-22) In house check: Oct-24 Name Function Signature Calibrated by: Jeton Kastrati Laboratory Technician Approved by: Sven Kühn Technical Manager Issued: November 16, 2022 This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Certificate No: D2450V2-1090\_Nov22

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Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
Servizio svizzero di taratura
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:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORM x,y,z N/A not applicable or not measured

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

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### **Additional Documentation:**

c) DASY System Handbook

#### Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
  of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Certificate No: D2450V2-1090_Nov22	Page 2 of 7	





### **Measurement Conditions**

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, $dy$ , $dz = 5 mm$	
Frequency	2450 MHz ± 1 MHz	

# **Head TSL parameters**

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.4 ± 6 %	1.87 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

### SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.4 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	52.4 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.5 W/kg ± 16.5 % (k=2)

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# Appendix (Additional assessments outside the scope of SCS 0108)

# Antenna Parameters with Head TSL

Impedance, transformed to feed point	$51.3 \Omega + 4.2 j\Omega$	
Return Loss	- 27.2 dB	

### General Antenna Parameters and Design

Electrical Delay (one direction)	1.152 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

#### **Additional EUT Data**

Manufactured by	SPEAG
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Certificate No: D2450V2-1090\_Nov22

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### **DASY5 Validation Report for Head TSL**

Date: 15.11.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:1090

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: f = 2450 MHz;  $\sigma = 1.87 \text{ S/m}$ ;  $\varepsilon_r = 38.4$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

#### DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(7.96, 7.96, 7.96) @ 2450 MHz; Calibrated: 31.12.2021

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 31.08.2022

Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001

DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

# Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

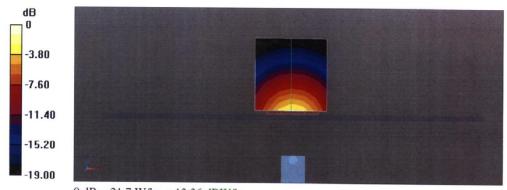
Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 116.1 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 26.2 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.20 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 51.1% Maximum value of SAR (measured) = 21.7 W/kg



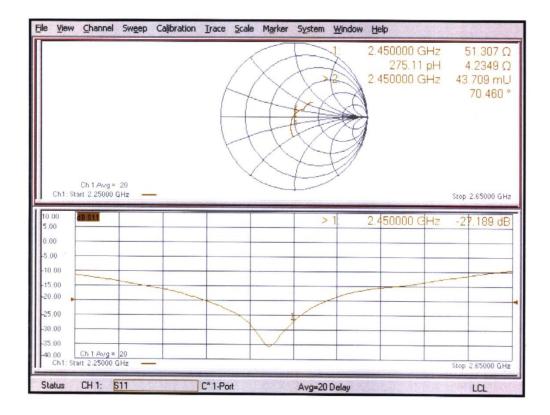
0 dB = 21.7 W/kg = 13.36 dBW/kg

Certificate No: D2450V2-1090\_Nov22





## Impedance Measurement Plot for Head TSL



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24.9 W/kg ± 16.9 % (k=2)

## Appendix: Transfer Calibration at Four Validation Locations on SAM Head1

### **Evaluation Condition**

Phantom	SAM Head Phantom	For usage with cSAR3DV2-R/L
---------	------------------	-----------------------------

# SAR result with SAM Head (Top $\cong$ C0)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	55.9 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	

# SAR result with SAM Head (Mouth ≅ F90)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	57.0 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	

## SAR result with SAM Head (Neck ≅ H0)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	53.7 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	

# SAR result with SAM Head (Ear ≅ D90)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	34.4 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	

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<sup>&</sup>lt;sup>1</sup> Additional assessments outside the current scope of SCS 0108





# **5GHz Dipole Calibration Certificate**

**Calibration Laboratory of** Schmid & Partner

**Engineering AG** Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura 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 CTTL

Certificate No. D5GHzV2-1060\_Jun23

Object	D5GHzV2 - SN:10	060	
Calibration procedure(s)	QA CAL-22.v7 Calibration Procedure for SAR Validation Sources between 3-		
Calibration date:	June 19, 2023		
Calibration Equipment used (M&TE		y facility: environment temperature (22 ± 3)°C	
	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power meter NRP2 Power sensor NRP-Z91	SN: 104778 SN: 103244	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804)	Mar-24 Mar-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91	SN: 104778 SN: 103244 SN: 103245	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805)	Mar-24 Mar-24 Mar-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k)	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809)	Mar-24 Mar-24 Mar-24 Mar-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k)	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809)	Mar-24 Mar-24 Mar-24 Mar-24
Primary Standards Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Mar-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Fype-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23) 19-Dec-22 (No. DAE4-601_Dec22)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Dec-23 Scheduled Check
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Recondary Standards Power meter E4419B	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23) 19-Dec-22 (No. DAE4-601_Dec22) Check Date (in house)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Dec-23 Scheduled Check In house check: Oct-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23) 19-Dec-22 (No. DAE4-601_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
rower meter NRP2 rower sensor NRP-Z91 rower sensor HP 8481A rower sensor HP 8481A regenerator R&S SMT-06	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23) 19-Dec-22 (No. DAE4-601_Dec22)  Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23) 19-Dec-22 (No. DAE4-601_Dec22) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Recondary Standards Power meter E4419B Power sensor HP 8481A Ref generator R&S SMT-06	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23) 19-Dec-22 (No. DAE4-601_Dec22)  Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Dec-23
Power meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A RF generator R&S SMT-06	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601  ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477	30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 30-Mar-23 (No. 217-03805) 30-Mar-23 (No. 217-03809) 30-Mar-23 (No. 217-03810) 07-Mar-23 (No. EX3-3503_Mar23) 19-Dec-22 (No. DAE4-601_Dec22)  Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Mar-24 Dec-23 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24

Certificate No: D5GHzV2-1060\_Jun23

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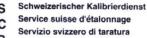


### Calibration Laboratory of

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







S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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#### Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORM x,y,z N/A not applicable or not measured

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

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### **Additional Documentation:**

c) DASY System Handbook

### Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
  of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- · SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Certificate No: D5GHzV2-1060\_Jun23 Page 2 of 12





## **Measurement Conditions**

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4.0  mm, dz = 1.4  mm	Graded Ratio = 1.4 (Z direction)
Frequency	5200 MHz ± 1 MHz 5250 MHz ± 1 MHz 5300 MHz ± 1 MHz 5500 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz 5800 MHz ± 1 MHz	

# Head TSL parameters at 5200 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	36.0	4.66 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.5 ± 6 %	4.53 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

### SAR result with Head TSL at 5200 MHz

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.92 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	78.9 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.6 W/kg ± 19.5 % (k=2)

Certificate No: D5GHzV2-1060\_Jun23

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