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10414		WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)			
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	WCDMA	7.59	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	Test	10.00	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WLAN	8.63	± 9.6 %
10457	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA	6.62	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	UMTS-FDD (WCDMA, AMR)	CDMA2000	8.25	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	WCDMA	2.39	± 9.6 %
10461			LTE-TDD	7.82	± 9.6 %
	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	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	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %

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10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTC TDD		
10490	AAF		LTE-TDD	8.31	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
		LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	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		± 9.6 %
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.36	
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.42	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	The second secon	8.21	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAC		WLAN	8.43	± 9.6 %
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534		IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	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 %

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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	8.39	± 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	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN		± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)		8.37	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10571	AAA		WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572		IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
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10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	MAI ANI	0.07	1.000
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.97	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)		8.64	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.77	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.57	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.78	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.70	± 9.6 %
10613	AAC		WLAN	8.77	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10615		IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	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 %
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	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN		
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	9.11	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)		11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	11.96	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	CDMA2000	3.45	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
			LTE-TDD	6.96	± 9.6 %
10655 10658	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %

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10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN		± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.42	
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)		8.26	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.33	± 9.6 %
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.28	± 9.6 %
10688	AAC		WLAN	8.45	± 9.6 %
	7 P. S.	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAC	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		
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)		8.33	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.26	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10716			WLAN	8.30	± 9.6 %
	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 %

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10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	0.04	1000
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)		8.64	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.67	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.46	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.40	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.25	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.33	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.27	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.36	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10741	AAC		WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
		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 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
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	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
	AAD	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	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		± 9.6 %
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)		8.42	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782			5G NR FR1 TDD	8.43	± 9.6 %
10782 10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %

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10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	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	AAE	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	AAD	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 %
10823	AAD	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	AAD	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		± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)		7.73	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.75	± 9.6 %
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)		7.66	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10844	AAD		5G NR FR1 TDD	8.49	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)  5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10000	7010	SO THE CONTROL OF WITE, GEOR, OU KITE)	5G NR FR1 TDD	8.41	± 9.6 %

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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	AAD	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 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922			5G NR FR1 TDD	5.82	± 9.6 %

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10923   AAB   5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.84	±9.6 % ±9.6 %
10925 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5 84 10927 AAB 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5 84 10928 AAC 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 10928 AAC 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 10929 ACC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10930 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10931 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10931 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10932 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10933 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10933 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10934 AAC 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10935 AAC 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, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10937 AAC 5G NR (DFT-s-OFDM, 50 MR, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10938 AAC 5G NR (DFT-s-OFDM, 50 MR, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10939 AAC 5G NR (DFT-s-OFDM, 50 MR, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10939 AAC 5G NR (DFT-s-OFDM, 50 MR, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10939 AAC 5G NR (DFT-s-OFDM, 50 MR, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10940 AAC 5G NR (DFT-s-OFDM, 50 MR, 80 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10941 AAC 5G NR (DFT-s-OFDM, 50 MR, 80 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10942 AAC 5G NR (DFT-s-OFDM, 50 MR, 80 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10943 AAC 5G NR (DFT-s-OFDM, 50 MR, 80 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10944 AAC 5G NR (DFT-s-OFDM, 50 MR, 80 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10944 AAC 5G NR (DFT-s-OFDM, 50 MR, 80 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10945 AAC 5G NR (DFT-s-OFDM, 100 MR, 80 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 10946 AAC 5G NR (DFT-s-OFDM, 100 MR, 80 MHz, QPSK	±9.6 % ±9.6 %
10926 AAB 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 10927 AAB 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 10928 AAC 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 10929 AAC 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10930 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10931 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10931 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10932 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10933 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10934 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10935 AAD 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, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10937 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10938 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10937 AAC 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10937 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10938 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10944 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10945 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 10946 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.84 10948 AAC 5G NR (DFT-s-OFDM, 100% RB,	±9.6 % ±9.6 %
10927         AAB         5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 FDD         5.94           10928         AAC         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.52           10929         AAC         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.52           10930         AAC         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.52           10931         AAC         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10932         AAC         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAC         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAC         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10937         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.50           10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10928	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10929 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10930 AAC 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 10931 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10932 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10933 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10934 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 10935 AAD 5G NR (DFT-s-OFDM, 1 RB, 30 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 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 10938 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10937 AAC 5G NR (DFT-s-OFDM, 50% RB, 26 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 26 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 26 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 26 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10943 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10944 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10945 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10940 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10941 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10945 AAC 5G NR (DFT-s-OFDM,	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10929	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10930         AAC         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.52           10931         AAC         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10932         AAC         5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10933         AAC         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAC         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAD         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         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.80           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAC	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10931         AAC         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10932         AAC         5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10933         AAC         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAC         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAD         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         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD	±9.6 % ±9.6 %
10932         AAC         5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10933         AAC         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAC         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAD         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         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD <td>±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %</td>	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10933         AAC         5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10934         AAC         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAD         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         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAC </td <td>±9.6 % ±9.6 %</td>	±9.6 % ±9.6 %
10934         AAC         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.51           10935         AAD         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         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAC         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAC         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10945         AA	±9.6 % ±9.6 %
10935         AAD         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         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10943         AAD         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAC         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947	±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %  ±9.6 %
10936         AAC         5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10937         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAC         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAC         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947         <	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10937         AAC         5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.77           10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAC         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAC         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10947	±9.6 % ±9.6 %
10938         AAC         5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.90           10939         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.82           10940         AAC         5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.89           10941         AAC         5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10944         AAC         5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAC         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, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAC         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950	±9.6 % ±9.6 %
10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 10945 AAC 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, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10952 AAA 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.41 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8	± 9.6 % ± 9.6 %
10940 AAC 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 10945 AAC 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, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10952 AAA 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31	± 9.6 % ± 9.6 %
10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 10945 AAC 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, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10952 AAA 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10942         AAC         5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85           10943         AAD         5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.95           10944         AAC         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81           10945         AAC         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         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAC         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10949         AAC         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAC         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAA         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10943 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 10945 AAC 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, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 10945 AAC 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 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 10952 AAA 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.25 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10945         AAC         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         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAC         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10949         AAC         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAC         5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAA         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         8.25           10953         AAA         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAA         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10953 <td>± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %</td>	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10946         AAC         5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83           10947         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAC         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10949         AAC         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAC         5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAA         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         8.25           10953         AAA         5G NR (DFT-s-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10954         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.15           10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.42           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31           10958 <td>± 9.6 % ± 9.6 % ± 9.6 %</td>	± 9.6 % ± 9.6 % ± 9.6 %
10947         AAC         5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10948         AAC         5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10949         AAC         5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87           10950         AAC         5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAA         5G NR (DFT-s-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10953         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.15           10954         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.23           10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.42           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31           10958 <td>± 9.6 %</td>	± 9.6 %
10948       AAC       5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10949       AAC       5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87         10950       AAC       5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94         10951       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.42         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	± 9.6 %
10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32	
10950         AAC         5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94           10951         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92           10952         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25           10953         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.15           10954         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.23           10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.42           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.14           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.61           10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.33           10960         AAC         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.32           1096	
10951       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92         10952       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36	± 9.6 %
10952       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25         10953       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36	± 9.6 %
10953       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.15         10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36	± 9.6 %
10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36	± 9.6 %
10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36	± 9.6 %
10956     AAA     5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)     5G NR FR1 FDD     8.14       10957     AAA     5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)     5G NR FR1 FDD     8.31       10958     AAA     5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)     5G NR FR1 FDD     8.61       10959     AAA     5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)     5G NR FR1 FDD     8.33       10960     AAC     5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)     5G NR FR1 TDD     9.32       10961     AAB     5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)     5G NR FR1 TDD     9.36	± 9.6 %
10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36	± 9.6 %
10958     AAA     5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)     5G NR FR1 FDD     8.61       10959     AAA     5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)     5G NR FR1 FDD     8.33       10960     AAC     5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)     5G NR FR1 TDD     9.32       10961     AAB     5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)     5G NR FR1 TDD     9.36	± 9.6 %
10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.33           10960         AAC         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.32           10961         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.36	± 9.6 %
10960         AAC         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.32           10961         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.36	± 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 %
Control of the state of the sta	± 9.6 %
	± 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 AAC 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	
10978 AAA ULLA BDR ULLA 2.23	± 9.6 %
10979 AAA ULLA HDR4 ULLA 7.02	± 9.6 %
10980 AAA ULLA HDR8 ULLA 8.82	
10981 AAA ULLA HDRp4 ULLA 1.50	± 9.6 %
10982 AAA ULLA HDRp8 ULLA 1.44	± 9.6 %

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





#### **Probe 9492 Calibration Certificate**

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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage C 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 (Auden) Certificate No: EUmmWV4-9492\_May22

## CALIBRATION CERTIFICATE

Object EUmmWV4 - SN:9492

Calibration procedure(s) QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2

Calibration procedure for E-field probes optimized for close near field

evaluations in air

May 18, 2022 Calibration date:

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 sensor NRP110T	SN: 101244	14-Mar-22 (No. 20A1037915)	Mar-23
R&S FSV40 Spectrum Analyzer	SN: 101832	25-Jan-22 (No. 4030-315003399)	Jan-25
Reference Probe EUmmWV3	SN: 9374	21-Dec-21 (No. EUmmWV3-9374_Dec21)	Dec-22
DAE4	SN: 789	24-Dec-21 (No. DAE4-789_Dec21)	Dec-22
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Generator, Anapico, APSIN26G	SN: 669	28-Mar-17 (in house check May-22)	In house check: May-23
Generator, Agilent, E8251A	SN: US41140111	28-Mar-17 (in house check May-22)	In house check: May-23

Name Function Calibrated by: Leif Klysner

Laboratory Technician

Approved by: Sven Kühn Technical Manager

Issued: May 21, 2022

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

Certificate No: EUmmWV4-9492\_May22

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#### Calibration Laboratory of

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





S Schweizerischer Kalibrierdienst
C Service sulsse 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:

NORMx,y,z sensitivity in free space DCP diode compression point

CF crest factor (1/duty\_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters

Polarization  $\varphi$   $\varphi$  rotation around probe axis

Polarization  $\vartheta$  rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e.,  $\vartheta = 0$  is normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system sensor Angles sensor deviation from the probe axis, used to calculate the field orientation and polarization

Sensor Angles sensor deviation from the probe axis is the wave propagation direction

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

 a) IEEE Std 1309-2005, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", December 2005

#### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization ϑ = 0 for XY sensors and ϑ = 90 for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R<sub>p</sub>, inductance L and capacitors C, C<sub>p</sub>).
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- Sensor Offset: The sensor offset corresponds to the mechanical from the probe tip (on probe axis). No
  tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The
  angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

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EUmmWV4 - SN: 9492 May 18, 2022

## DASY - Parameters of Probe: EUmmWV4 - SN:9492

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Unc (k=2)
Norm $(\mu V/(V/m)^2)$	0.02044	0.02319	± 10.1 %
DCP (mV) <sup>B</sup>	105.0	105.0	
Equivalent Sensor Angle	-60.7	35.7	

Calibration results for Frequency Response (750 MHz - 110 GHz)

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB	
0.75	77.2	-0.17	-0.13	± 0.43 dB	
1.8	140.4	-0.01	-0.02	± 0.43 dB	
2	133.0	0.13	0.15	± 0.43 dB	
2.2	124.8	-0.07	-0.07	± 0.43 dB	
2.5	123.0	0.07	0.13	± 0.43 dB	
3.5	256.2	-0.19	-0.16	± 0.43 dB	
3.7	249.8	-0.08	-0.07	± 0.43 dB	
6.6	41.8	0.23	0.23	± 0.98 dB	
8	48.4	-0.05	-0.19	± 0.98 dB	
10	54.4	-0.04	0.02	± 0.98 dB	
15	71.5	0.24	-0.30	± 0.98 dB	
18	85.3	-0.21	0.01	± 0.98 dB	
26.6 96.9		0.09	0.02	± 0.98 dB	
30 92.6		-0.03	0.02	± 0.98 dB	
35	93.7	0.13	0.13	± 0.98 dB	
40 91.5		0.01	-0.09	± 0.98 dB	
50	19.6	-0.01	-0.10	± 0.98 dB	
55 22.4		0.00	0.07	± 0.98 dB	
60	23.0	-0.02	-0.02	± 0.98 dB	
65	27.4	-0.37	-0.14	± 0.98 dB	
70	23.9	-0.04	-0.20	± 0.98 dB	
75	20.0	-0.24	-0.08	± 0.98 dB	
75	14.8	-0.09	-0.04	± 0.98 dB	
80	22.5	0.14	0.26	± 0.98 dB	
85	22.8	0.11	0.01	± 0.98 dB	
90	23.8	0.05	0.04	± 0.98 dB	
92	23.9	-0.02	-0.12	± 0.98 dB	
95	20.5	-0.24	-0.19	± 0.98 dB	
97	24.4	-0.06	-0.06	± 0.98 dB	
100	22.6	-0.10	-0.02	± 0.98 dB	
105	22.7	-0.02	0.06	± 0.98 dB	
110	19.7	0.18	0.09	± 0.98 dB	

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%.

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<sup>&</sup>lt;sup>B</sup> Numerical linearization parameter: uncertainty not required.

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





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# DASY - Parameters of Probe: EUmmWV4 - SN:9492

**Calibration Results for Modulation Response** 

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	X	0.00	0.00	1.00	0.00	113.2	± 2.7 %	± 4.7 %
		Υ	0.00	0.00	1.00		98.5		
10352-	Pulse Waveform (200Hz, 10%)	X	1.86	60.00	14.23	10.00	6.0	± 1.3 %	± 9.6 %
AAA		Y	2.25	60.00	14.69		6.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	1.26	60.00	13.18	6.99	12.0	± 0.9 %	± 9.6 %
AAA		Υ	1.55	60.00	13.57		12.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.76	60.00	11.96	3.98	23.0	± 1.3 %	± 9.6 %
AAA		Υ	0.93	60.00	12.31		23.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.47	60.00	11.21	2.22	27.0	± 0.8 %	± 9.6 %
AAA		Υ	0.59	60.00	11.42		27.0		
10387-	QPSK Waveform, 1 MHz	X	1.03	60.00	11.63	1.00	22.0	± 1.7 %	± 9.6 %
AAA		Y	1.18	60.00	11.76	10000000	22.0		
10388-	QPSK Waveform, 10 MHz	X	1.26	60.00	11.82	0.00	22.0	± 0.7 %	± 9.6 %
AAA		Y	1.35	60.00	11.70		22.0		
10396-	64-QAM Waveform, 100 kHz	X	1.99	60.58	13.94	3.01	17.0	± 0.7 %	± 9.6 %
AAA	Section Control of the Control of th	Y	2.21	60.77	14.05	103.4.5	17.0		
10399-	64-QAM Waveform, 40 MHz	X	2.08	60.00	12.34	0.00	19.0	± 1.1 %	± 9.6 %
AAA		Y	2.17	60.00	12.28		19.0		10.504.05
10414-	WLAN CCDF, 64-QAM, 40MHz	X	3.15	60.00	12.78	0.00	12.0	± 0.8 %	± 9.6 %
AAA	, - 1 - 1 - 1 - 1 - 1	Y	3.31	60.00	12.72		12.0	1	

Note: For details on all calibrated UID parameters see Appendix

Calibration Results for Linearity Response

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB	
0.9	50.0	-0.04	0.14	± 0.2 dB	
0.9	100.0	0.05	0.02	± 0.2 dB	
0.9	500.0	0.04	-0.04	± 0.2 dB	
0.9	1000.0	0.06	-0.02	± 0.2 dB	
0.9	1500.0	0.06	-0.05	± 0.2 dB	
0.9	2000.0	0.02	-0.07	± 0.2 dB	

Sensor Frequency Model Parameters (750 MHz - 55 GHz)

	Sensor X	Sensor Y
R (Ω)	73.94	71.21
$R_{p}(\Omega)$	95.25	97.90
L (nH)	0.11950	0.09777
C (pF)	0.2243	0.2827
C <sub>p</sub> (pF)	0.0700	0.0750

Sensor Frequency Model Parameters (55 GHz - 110 GHz)

	Sensor X	Sensor Y
R (Ω)	34.83	34.15
$R_{p}(\Omega)$	95.07	95.41
L (nH)	0.03062	0.02871
C (pF)	0.2422	0.2770
C <sub>p</sub> (pF)	0.1347	0.1394

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# DASY - Parameters of Probe: EUmmWV4 - SN:9492

## **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	35.8	259.72	33.70	2.66	3.69	5.00	0.00	1.07	1.01
Υ	44.1	323.23	34.28	2.38	5.13	5.01	0.00	1.48	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Rectangular
Connector Angle (°)	31.0
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm

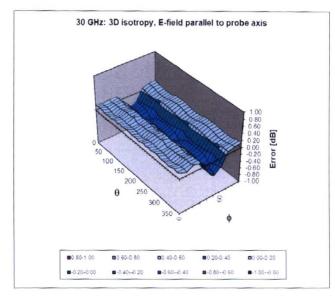
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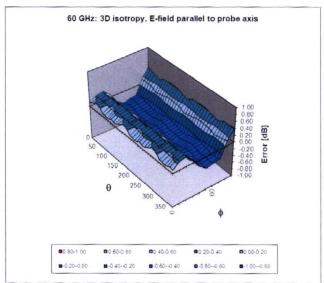




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# Deviation from Isotropy in Air f = 30, 60 GHz





Probe isotropy for  $E_{tot}$ : probe rotated  $\phi=0^\circ$  to 360°, tilted from field propagation direction  $\overline{k}$  Parallel to the field propagation ( $\psi=0^\circ$  - 90°) at 30 GHz: deviation within  $\pm$  0.33 dB Parallel to the field propagation ( $\psi=0^\circ$  - 90°) at 60 GHz: deviation within  $\pm$  0.42 dB

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