

Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, ChinaTel: +86-10-62304633-2512E-mail: cttl@chinattl.comHttp://www.chinattl.cn

10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	±9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	±9.6%
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAC	IEEE 802,11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	±9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	±9.6%
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6%
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6%
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6%
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6%
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6 %
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6 %
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	±9.6%
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6 %
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	±9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	±9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6%
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6%
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	±9.6 %
10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	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 %

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10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6 %
10627	AAC	IEEE 802,11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6%
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6 %
10630	AAC	IEEE 802 11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	±9.6 %
10631	AAC	IEEE 802 11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	±9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	±9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	±9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	±9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	±9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	±9.6%
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	±9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	±9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6%
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6%
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6%
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6%
10659	AAC	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6%
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6%
10662	AAC	Pulse vvavetorm (200HZ, 80%)	Plusteeth	0.97	19.0%
10670	AAC	Divelopin Low Energy		2.19	10.0 %
100/1	AAD			9.09	10.0 %
10072	AAD	IEEE 802.11ax (20MHz, MCS1, 30pc 00)		9.70	+06%
10073	AAD	IEEE 802.11ax (201112, 10032, 8000 dc)		874	+96%
10674	AAD	IEEE 802.11ax (2010112, 10033, 3000 00)		8 00	+96%
10075	AAD	IEEE 802.11ax (200012, 10034, 3000 00)		8.77	+96%
10070	AAD	IEEE 802.11ax (201112, 10030, 3000 00)		9.72	+96%
10077	AAD	IEEE 002. 11ax (2010112, 10030, 3000 00)		8.79	+96%
10670		IEEE 802.11ax (20MHz, MCS8, 90pc dc)		8.89	+96%
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	+9.6%
10681	AAG	IEEE 802 11ax (20MHz, MCS10, 90pc dc)	WIAN	8.62	+96%
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	±9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	±9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	±9.6 %

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10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	±9.6%
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	±9.6 %
10698	AAA	IEEE 802 11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	±9.6 %
10699	AAA	IEEE 802 11ax (40MHz MCS4, 90pc dc)	WLAN	8.82	±9.6 %
10700	ΔΔΔ	IEEE 802 11ax (40MHz MCS5 90pc dc)	WLAN	8.73	±9.6%
10701	ΔΔΔ	IEEE 802 11ax (40MHz MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10707		IEEE 802 11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6 %
10702		IEEE 802 11ax (40MHz, MCS8, 90pc dc)	WIAN	8.82	+9.6%
10703		IEEE 802 11ax (40MHz, MCS0, 90pc dc)	WLAN	8.56	+96%
10704		IEEE 802 11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	+96%
10706	AAC	IEEE 802 11ax (40MHz, MCS11, 90nc dc)	WLAN	8.66	+96%
10707	AAC	IEEE 802 11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	±9.6 %
10708	AAC	IEEE 802 11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	±9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	±9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	±9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	±9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	±9.6%
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	±9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	±9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10. 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	±9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	±9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	±9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	±9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6%
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	±9.6%
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	±9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	±9.6%
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	±9.6%
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	±9.6%
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6%
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6%
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6%
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %

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10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6 %
10757	AAC	IEEE 802 11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6 %
10758	AAC	IEEE 802 11ax (160MHz MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802 11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802,11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6 %
10763	AAC	IEEE 802 11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802 11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6 %
10765	AAC	IEEE 802,11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6 %
10766	AAC	IEEE 802,11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	±9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6%
10776	AAC	5G NR (CP-OFDM 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6 %
10777	AAC	5G NR (CP-OEDM 50% RB 15 MHz OPSK 15 kHz)	5G NR FR1 TDD	8.30	±9.6 %
10778	AAC	5G NR (CP-OEDM 50% RB 20 MHz OPSK 15 kHz)	5G NR FR1 TDD	8.34	+96%
10779	AAC	5G NR (CP-OEDM, 50% RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.42	+9.6%
10780	AAC	5G NR (CP-OEDM, 50% RB, 30 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.38	+96%
10781	AAC	5G NR (CP-OEDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	+9.6%
10782	AAC	5G NR (CP-OEDM 50% RB 50 MHz QPSK 15 kHz)	5G NR FR1 TDD	8.43	±9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6%
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6%
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %

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10625         AD         56 NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         8.39         ±9.           10827         AD         56 NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         8.42         ±9.           10827         AD         56 NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         8.42         ±9.           10828         AAD         56 NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         7.63         ±9.           10830         AD         56 NR (CP-OFDM, 108, 10 MHz, QPSK, 60 Hz)         56 NR FR1 TDD         7.78         ±9.           10831         AD         56 NR (CP-OFDM, 178, 15 MHz, QPSK, 60 Hz)         56 NR FR1 TDD         7.78         ±9.           10833         AD         56 NR (CP-OFDM, 178, 20 MHz, QPSK, 60 Hz)         56 NR FR1 TDD         7.70         ±9.           10833         AD         56 NR (CP-OFDM, 178, 20 MHz, QPSK, 60 Hz)         56 NR FR1 TDD         7.70         ±9.           10834         AD         56 NR (CP-OFDM, 178, 30 MHz, QPSK, 60 Hz)         56 NR FR1 TDD         7.70         ±9.           10835         AAD         56 NR (CP-OFDM, 178, 50 MHz, QPSK, 60 Hz)         56 NR FR1 TDD         7.70         ±9.           10834         AD         56 NR (CP-OF	10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
TODES         AND         56 NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         8.41         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         8.43         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         7.43         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 10%, RB, 100 MHz, QPSK, 30 Hz)         56 NR FR1 TDD         7.43         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 178, 120 Hz)         56 NR FR1 TDD         7.73         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 178, 20 Hz)         56 NR FR1 TDD         7.74         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 178, 20 Hz)         56 NR FR1 TDD         7.74         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 178, 20 Hz)         56 NR FR1 TDD         7.68         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 178, 20 Hz)         56 NR FR1 TDD         7.76         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 178, 50 HHz)         56 NR FR1 TDD         7.61         ±9.1           TOBEZ         AAD         56 NR (CP-OFDM, 178, 50 HHz)         56 NR FR1 TDD         <	10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10827         AAD         EG NR (CP, OFDM, 100%, RB, 00 MHz, OPSK, 30 HHz)         EG NR (FR TDD)         8.42         4.9           10828         AAE         5G NR (CP, OFDM, 100%, RB, 00 MHz, OPSK, 30 HHz)         5G NR FR TDD)         8.43         4.9           10829         AAD         5G NR (CP, OFDM, 100%, RB, 100 MHz, OPSK, 30 HHz)         5G NR FR TDD         7.63         4.9           10831         AAD         5G NR (CP, OFDM, 178, 15MHz, OPSK, 60 HHz)         5G NR FR TDD         7.73         4.9           10832         AAD         5G NR (CP, OFDM, 178, 15MHz, OPSK, 60 HHz)         5G NR FR TDD         7.77         4.9           10833         AAD         5G NR (CP, OFDM, 178, 12MHz, OPSK, 60 HHz)         5G NR FR TDD         7.77         4.9           10833         AAD         5G NR (CP, OFDM, 178, 24MHz, OPSK, 60 HHz)         5G NR FR TDD         7.76         4.9           10833         AAD         5G NR (CP, OFDM, 178, 30 MHz, OPSK, 60 Hz)         5G NR FR TDD         7.77         4.9           10833         AAD         5G NR (CP, OFDM, 178, 80 MHz, OPSK, 60 Hz)         5G NR FR TDD         7.71         4.9           10833         AAD         5G NR (CP, OFDM, 178, 80 MHz, OPSK, 60 Hz)         5G NR FR TDD         7.71         4.9           10833         AAD         <	10825	ΔΔD	5G NR (CP-OEDM 100% RB 60 MHz OPSK 30 kHz)	5G NR ER1 TDD	841	+96%
10822         AAU         250 RN CP-DFM, 100% RB, 50 MHz, 2PSK, 30 MHz)         56 RN FRT TDD         64.2         5           10828         AAD         56 NR (CP-DFM, 100% RB, 100 MHz, 2PSK, 30 MHz)         56 NR FRT TDD         8.40         ±0           10830         AAD         56 NR (CP-DFM, 108, 10 MHz, 2PSK, 30 MHz)         56 NR FRT TDD         7.73         ±0           10831         AAD         56 NR (CP-DFM, 178, 10 MHz, 2PSK, 30 HHz)         56 NR FRT TDD         7.73         ±0           10832         AAD         56 NR (CP-DFM, 178, 10 MHz, 2PSK, 30 HHz)         56 NR FRT TDD         7.73         ±0           10833         AAD         56 NR (CP-DFM, 178, 20 MHz, 2PSK, 60 HHz)         56 NR FRT TDD         7.73         ±0           10833         AAD         56 NR (CP-DFM, 178, 20 MHz, 2PSK, 60 HHz)         56 NR FRT TDD         7.66         ±9           10833         AAD         56 NR (CP-DFM, 178, 50 MHz, 2PSK, 60 HHz)         56 NR FRT TDD         7.66         ±9           10844         AAD         56 NR (CP-DFM, 178, 50 MHz, 2PSK, 60 HHz)         56 NR FRT TDD         7.67         ±9           10844         AAD         56 NR (CP-DFM, 188, 50 MHz, 2PSK, 60 HHz)         56 NR FRT TDD         7.67         ±9           10844         AAD         56 NR (CP-DFM, 188, 5	10020		50 NR (CR OEDM, 100% RB, 80 MHz, QPSK 30 KHz)	5C NP EP1 TDD	8.42	+ 9.6 %
Lobol         AAL         GS INR (LP-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz)         GS INR R1 TDD         8.40         ± 9.           10820         AAD         GG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 KHz)         GG NR R1 TDD         7.33         ± 9.           10831         AAD         GG NR (CP-OFDM, 11RB, 10 MHz, QPSK, 60 KHz)         GG NR R1 TDD         7.73         ± 9.           10832         AAD         GG NR R1 CP-OFDM, 11RB, 20 MHz, QPSK, 60 KHz)         GG NR R1 TDD         7.74         ± 9.           10833         AAD         GG NR (CP-OFDM, 11RB, 30 MHz, QPSK, 60 KHz)         GG NR R1 TDD         7.75         ± 9.           10834         AAD         GG NR (CP-OFDM, 11RB, 30 MHz, QPSK, 60 KHz)         GG NR R1 TDD         7.76         ± 9.           10835         AAD         GG NR (CP-OFDM, 11RB, 30 MHz, QPSK, 60 KHz)         GG NR R1 TDD         7.76         ± 9.           10837         AAD         GG NR (CP-OFDM, 11RB, 50 MHz, QPSK, 60 KHz)         GS NR R1 TDD         7.76         ± 9.           10840         AAD         GG NR (CP-OFDM, 11RB, 50 MHz, QPSK, 60 KHz)         GS NR R1 TDD         7.77         ± 9.           10844         AAD         GG NR R1 TDD         5.56 NR R1 TDD         7.77         ± 9.           10844         AAD         GG NR (CP-OFDM, 1	10027	AAD	50 NR (CP-OFDM, 100% RB, 80 MHz, QFSK, 30 KHz)	SC NR ER1 TDD	0.42	+0.6%
Totago         AAU         Sign Nr(LP-OFDM, 100% RB, 100 MHz, QFSK, 60 KHz)         Sign Nr Nr 1100         From Totago         Sign Nr           10831         AAD         SG NR (CP-OFDM, 118, 15 MHz, QFSK, 60 KHz)         SG NR RFR 17DD         7.73         ± 9.           10832         AAD         SG NR (CP-OFDM, 118, 25 MHz, QFSK, 60 KHz)         SG NR RFR 17DD         7.74         ± 9.           10833         AAD         SG NR (CP-OFDM, 118, 26 MHz, QFSK, 60 KHz)         SG NR RFR 17DD         7.76         ± 9.           10834         AAD         SG NR (CP-OFDM, 118, 30 MHz, QFSK, 60 KHz)         SG NR RFR 17DD         7.76         ± 9.           10833         AAD         SG NR (CP-OFDM, 118, 80 MHz, QFSK, 60 KHz)         SG NR RFR 17DD         7.76         ± 9.           10834         AAD         SG NR RCP-OFDM, 18, 80 MHz, QPSK, 60 KHz)         SG NR RFR 17DD         7.76         ± 9.           10834         AAD         SG NR RCP-OFDM, 18, 80 MHz, QPSK, 60 KHz)         SG NR RFR 17DD         7.77         ± 9.           10844         AAD         SG NR RCP-OFDM, 18, 80 MHz, QPSK, 80 KHz)         SG NR RFR 17DD         7.77         ± 9.           10844         AAD         SG NR RCP-OFDM, 18, 80 MHz, QPSK, 80 KHz)         SG NR RFR 17DD         8.44         ± 9.           10844	10828	AAE	50 NR (CP-OFDM, 100% RD, 90 MIL, QPSK, 30 KIZ)	SO NR FRI TDD	0.40	10.6.9/
10830         AAD         56         NR (CP-OPDM, 1 RB, 10 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         7.73         ± 90           10832         AAD         56         NR (CP-OPDM, 1 RB, 20 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         7.74         ± 90           10833         AAD         56         NR (CP-OPDM, 1 RB, 20 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         7.75         ± 90           10834         AAD         56         NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         7.76         ± 90           10835         AAE         56         NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         7.76         ± 90           10837         AAD         56         NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         7.76         ± 90           10841         AAD         56         NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         7.71         ± 90           10844         AAD         56         NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz)         56         NR RR 1 TDD         8.34         ± 90           10844         AAD         56         NR (CP-OPDM, 1 0 NS, RB, 20 MHz, QPSK, 60 HHz)         56         NR	10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHZ, QPSK, 30 KHZ)	SG NR FRI TDD	0.40	± 9.0 %
Totas         AAU         Bits         Bits <th< td=""><td>10830</td><td>AAD</td><td>5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 KHz)</td><td>5G NR FR1 TDD</td><td>7.63</td><td>±9.6%</td></th<>	10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.63	±9.6%
10832         AAD         Fig NR (CP-OPDM, TRB, 20 MHz, QPSK, 80 KHz)         DG S NR (FR TDD         7.7.4         ±9           10834         AAD         FG NR (CP-OPDM, TRB, 30 MHz, QPSK, 80 KHz)         FG NR FR TDD         7.7.5         ±9           10835         AAD         FG NR (CP-OPDM, TRB, 30 MHz, QPSK, 80 KHz)         FG NR FR TDD         7.7.6         ±9           10836         AAE         FG NR (CP-OPDM, TRB, 50 MHz, QPSK, 80 KHz)         FG NR FR TDD         7.7.6         ±9           10837         AAD         FG NR (CP-OPDM, TRB, 50 MHz, QPSK, 80 KHz)         FG NR FR TDD         7.7.6         ±9           10840         AAD         FG NR (CP-OPDM, 18, 90 MHz, QPSK, 80 KHz)         FG NR FR TDD         7.7.0         ±9           10841         AAD         FG NR (CP-OPDM, 18, 80 MHz, QPSK, 80 KHz)         FG NR FR TDD         3.84         ±9           10844         AAD         FG NR (CP-OPDM, 50% RB, 15 MHz, QPSK, 60 KHz)         FG NR FR TDD         8.34         ±9           10845         AAD         FG NR (CP-OPDM, 50% RB, 10 MHz, QPSK, 60 KHz)         FG NR FR TDD         8.34         ±9           10846         AAD         FG NR (CP-OPDM, 100% RB, 10 MHz, QPSK, 60 KHz)         FG NR FR TDD         8.34         ±9           10856         AAD         FG NR (CP-O	10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 KHz)	5G NR FRI TDD	1.13	±9.6%
10833         AAD         56 NR (CP-OFDM, TRB, 20 MHz, QPSK, 80 KHz)         56 NR FR TDD         7.70         ±9.           10835         AAD         56 NR (CP-OFDM, TRB, 40 MHz, QPSK, 80 KHz)         56 NR FR TDD         7.70         ±9.           10835         AAD         56 NR (CP-OFDM, TRB, 50 MHz, QPSK, 80 KHz)         56 NR FR TDD         7.68         ±9.           10837         AAD         56 NR (CP-OFDM, TRB, 50 MHz, QPSK, 80 KHz)         56 NR FR TDD         7.76         ±9.           10839         AAD         56 NR (CP-OFDM, TRB, 80 MHz, QPSK, 80 KHz)         56 NR FR TDD         7.77         ±9.           10841         AAD         56 NR (CP-OFDM, 18, 90 MHz, QPSK, 60 KHz)         56 NR FR TDD         7.77         ±9.           10844         AAD         56 NR (CP-OFDM, 58, R8, 30 MHz, QPSK, 60 KHz)         56 NR FR TDD         8.44         ±9.           10844         AAD         56 NR (CP-OFDM, 50%, R8, 10 MHz, QPSK, 60 KHz)         56 NR FR TDD         8.34         ±9.           10845         AAD         56 NR (CP-OFDM, 180, R8, 20 MHz, QPSK, 60 KHz)         56 NR FR TDD         8.34         ±9.           10846         AAD         56 NR (CP-OFDM, 100%, R8, 10 MHz, QPSK, 60 KHz)         56 NR FR TDD         8.34         ±9.           10846         AAD         56 N	10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.74	±9.6%
10835         AAD         SG NR (CP-OFDM, TRB, 30 MHz, QPSK, 60 KHz)         SG NR FRT TDD         7.76         ±9.           10835         AAE         SG NR (CP-OFDM, TRB, 50 MHz, QPSK, 60 KHz)         SG NR FRT TDD         7.76         ±9.           10837         AAD         SG NR (CP-OFDM, TRB, 50 MHz, QPSK, 60 KHz)         SG NR FRT TDD         7.76         ±9.           10837         AAD         SG NR (CP-OFDM, TRB, 80 MHz, QPSK, 60 KHz)         SG NR FRT TDD         7.70         ±9.           10841         AAD         SG NR (CP-OFDM, TRB, 100 MHz, QPSK, 60 KHz)         SG NR FRT TDD         8.49         ±9.           10844         AAD         SG NR (CP-OFDM, SG NR RB, 20 MHz, QPSK, 60 KHz)         SG NR FRT TDD         8.44         ±9.           10844         AAD         SG NR (CP-OFDM, SG NR RB, 20 MHz, QPSK, 60 KHz)         SG NR FRT TDD         8.44         ±9.           10846         AAD         SG NR (CP-OFDM, SG NR RB, 20 MHz, QPSK, 60 KHz)         SG NR FRT TDD         8.34         ±9.           10856         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         SG NR FRT TDD         8.34         ±9.           10857         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         SG NR FRT TDD         8.34         ±9.           10858         AAD <td>10833</td> <td>AAD</td> <td>5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 KHz)</td> <td>5G NR FR1 TDD</td> <td>7.70</td> <td>± 9.6 %</td>	10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.70	± 9.6 %
10835         AAD         SG NR (CP-OFDM, 1RB, 40 MHz, QPSK, 60 kHz)         SG NR FR TDD         7.68         ± 9.           10837         AAD         SG NR (CP-OFDM, 1RB, 50 MHz, QPSK, 60 kHz)         SG NR FR TDD         7.68         ± 9.           10837         AAD         SG NR (CP-OFDM, 1RB, 80 MHz, QPSK, 80 kHz)         SG NR FR TDD         7.67         ± 9.           10840         AAD         SG NR (CP-OFDM, 1RB, 90 MHz, QPSK, 80 kHz)         SG NR FR TDD         7.77         ± 9.           10841         AAD         SG NR (CP-OFDM, 18B, 90 MHz, QPSK, 60 kHz)         SG NR FR TDD         8.49         ± 9.           10844         AAD         SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         SG NR FR TDD         8.41         ± 9.           10844         AAD         SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         SG NR FR TDD         8.34         ± 9.           10846         AAD         SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         SG NR FR TDD         8.34         ± 9.           10846         AAD         SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         SG NR FR TDD         8.34         ± 9.           10856         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         SG NR FR TDD         8.35         ± 9.           10857         AAD	10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.75	±9.6%
10335         AAE         5G NR (CP-OFDM, 1R, 8, 60 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         7.68         ± 9.           10337         AAD         5G NR (CP-OFDM, 1R, 8, 60 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         7.70         ± 9.           10440         AAD         5G NR (CP-OFDM, 1R, 9, 90 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         7.71         ± 9.           10841         AAD         5G NR (CP-OFDM, 1R, 90 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.44         ± 9.           10844         AAD         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.44         ± 9.           10846         AAD         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.44         ± 9.           10855         AAD         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.36         ± 9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.36         ± 9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.36         ± 9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.36         ± 9.           10858	10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.70	±9.6%
10837         AAD         5G NR (CP-OFDM, 1R, 8, 80 MHz, QPSK, 80 KHz)         5G NR FR1 TDD         7.68         ±9.           10840         AAD         5G NR (CP-OFDM, 1R, 90 MHz, QPSK, 80 KHz)         5G NR FR1 TDD         7.67         ±9.           10841         AAD         5G NR (CP-OFDM, 1R, 90 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.49         ±9.           10843         AAD         5G NR (CP-OFDM, 18R, 100 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.44         ±9.           10844         AAD         5G NR (CP-OFDM, 10% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10845         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10855         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.35         ±9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10866         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10867         AAD <td>10836</td> <td>AAE</td> <td>5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)</td> <td>5G NR FR1 TDD</td> <td>7.66</td> <td>±9.6%</td>	10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6%
10839         AAD         5G NR (CP-OFDM, 1R B, 90 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         7.70         ± 9.           10841         AAD         5G NR (CP-OFDM, 1R B, 90 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         7.71         ± 9.           10843         AAD         5G NR (CP-OFDM, 1S, 90% Hz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.44         ± 9.           10844         AAD         5G NR (CP-OFDM, 50% RB, 20 MHz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.44         ± 9.           10846         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.34         ± 9.           10855         AAD         5G NR (CP-OFDM, 100% RB, 15 MHz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.36         ± 9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.36         ± 9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.34         ± 9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.34         ± 9.           10859         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 0PSK, 60 kHz)         5G NR FR1 TDD         8.34         ± 9.           10868	10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10840         AAD         SG NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         7.67         ± 9.           10841         AAD         SG NR (CP-OFDM, 18, 100 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.49         ± 9.           10844         AAD         SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.34         ± 9.           10846         AAD         SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.34         ± 9.           10856         AAD         SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.34         ± 9.           10857         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.37         ± 9.           10858         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.36         ± 9.           10859         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.34         ± 9.           10850         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.34         ± 9.           10850         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         8.41         ± 9.           10850	10839	AAD	5G NR (CP-OFDM, 1 RB, 80 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         7.71         ±9.           10844         AAD         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.49         ±9.           10846         AAD         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.41         ±9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.36         ±9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.35         ±9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ±9.           10869         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.41         ±9.           10864         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.41         ±9.           10866	10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
1043         AAD         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.49         ± 9.           10846         AAD         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.34         ± 9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ± 9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.37         ± 9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.37         ± 9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ± 9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.34         ± 9.           10869         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.41         ± 9.           10868         AAD         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.41         ± 9.           10868         AAD         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 50 KHz)         5G NR FR1 TDD         8.41         ± 9.           10866<	10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10844         AAD         5G NR CP-OFDM, 50% RB, 20 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.34         ± 9.           10864         AAD         6G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.34         ± 9.           10854         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.34         ± 9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.35         ± 9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.35         ± 9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.34         ± 9.           10859         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.34         ± 9.           10861         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.41         ± 9.           10864         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 HHz)         5G NR FR1 TDD         8.41         ± 9.           10864         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 50 KHz)         5G NR FR1 TDD         8.41         ± 9.           1086	10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10846         AAD         5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9.           10855         AAD         5G NR (CP-OFDM, 100% RB, 15 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.34         ±9.           10866         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.35         ±9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.35         ±9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.34         ±9.           10859         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9.           10861         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9.           10864         AAE         5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9.           10865         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9.           10863         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz)         5G NR FR1 TDD         8.40         ±9.           10868	10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10684         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.34         ±9,           10855         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.35         ±9,           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.35         ±9,           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.35         ±9,           10858         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.34         ±9,           10860         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9,           10861         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9,           10863         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9,           10864         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ±9,           10866         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 50 kHz)         5G NR FR1 TDD         8.41         ±9,           10866	10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10855         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.36         ± 9.           10856         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.35         ± 9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.36         ± 9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.34         ± 9.           10860         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10861         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10864         AAE         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10865         AAD         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 50 kHz)         5G NR FR1 TDD         8.41         ± 9.           10864         AAE         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.84         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 108, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.84         ± 9.           10	10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10866         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.37         ± 9.           10857         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.36         ± 9.           10858         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.34         ± 9.           10859         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10861         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.40         ± 9.           10864         AAD         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10864         AAD         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.68         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 100 kHz)         5G NR FR2 TDD         5.66         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.66         ± 9.	10855	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       8.36       ± 9.         10858       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.34       ± 9.         10850       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10861       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10863       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10864       AAE       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.37       ± 9.         10865       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 80 kHz)       5G NR FR1 TDD       8.41       ± 9.         10866       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ± 9.         10870       AAD       5G NR (DFT-s-OFDM, 108% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10870       AAD       5G NR (DT-s-OFDM, 108% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10871       AAD       5G NR (DT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	10856	AAD	5G NR (CP-OFDM, 100% RB, 20 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       8.34       ± 9.         10869       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.34       ± 9.         10861       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10861       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10864       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10864       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9.         10866       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ± 9.         10868       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10870       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.86       ± 9.         10871       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 40QAM, 120 kHz)       5G NR FR2 TDD       5.66       ± 9.         10872       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz	10857	AAD	5G NR (CP-OFDM, 100% RB, 25 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       8.34       ± 9.         10860       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10861       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10863       AAD       5G NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       8.41       ± 9.         10864       AAE       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       5.84       ± 9.         10866       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.89       ± 9.         10866       AAD       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR1 TDD       5.89       ± 9.         10870       AAD       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10871       AAD       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.86       ± 9.         10871       AAD       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.86       ± 9.         10873       AAD       5G NR (DFT-s-OFDM, 10% RB, 100 MHz, 6QAM, 120 kHz)	10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6 %
10800         AAD         5G         SG         RC(P-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G         SG         RR (TDD         8.41         ± 9.           10861         AAD         5G         NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G         NR FR1 TDD         8.41         ± 9.           10863         AAD         5G         NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G         NR FR1 TDD         8.41         ± 9.           10864         AAE         5G         NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G         NR FR1 TDD         5.84         ± 9.           10866         AAD         5G         NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G         SG NR FR1 TDD         5.86         ± 9.           10868         AAD         5G         NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G         SG NR FR2 TDD         5.75         ± 9.           10870         AAD         5G         NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G         SG NR FR2 TDD         5.75         ± 9.           10872         AAD         5G         NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)         5G         SG NR FR2 TDD         5.75         ± 9.           10874         AAD         5G         NR (DF	10859	AAD	5G NR (CP-OEDM 100% RB 40 MHz OPSK 60 kHz)	5G NR FR1 TDD	8.34	+9.6%
10861         AAD         56 NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 KHz)         56 NR FR1 TDD         8.40         ± 9.           10863         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.41         ± 9.           10864         AAE         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10865         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.64         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.68         ± 9.           10868         AAD         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR2 TDD         5.75         ± 9.           10870         AAD         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10871         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.62         ± 9.           10872         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.65         ± 9.           10873         AAD         5G NR (CP-OFDM, 1 RB, 100 MHz, GPSK, 120 kHz)         5G NR FR2 TDD         6.61         ± 9.	10860	AAD	5G NR (CP-OEDM, 100% RB, 50 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	841	+96%
10863         AAD         56 NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 KHz)         56 NR FR1 TDD         8.41         ± 9.           10864         AAE         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.41         ± 9.           10865         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 18B, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.68         ± 9.           10868         AAD         5G NR (DFT-s-OFDM, 18B, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.88         ± 9.           10869         AAD         5G NR (DFT-s-OFDM, 18B, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10871         AAD         5G NR (DFT-s-OFDM, 18B, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10872         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 18QAM, 120 kHz)         5G NR FR2 TDD         6.61         ± 9.           10874         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         6.65         ± 9.           10876         AAD         5G NR (CP-OFDM, 18B, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.84         ± 9.	10861	AAD	5G NR (CP-OEDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	840	+96%
10030         AAE         5G NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.37         ± 9.           10864         AAE         5G NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 60 KHz)         5G NR FR1 TDD         8.37         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 1RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.68         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.88         ± 9.           10868         AAD         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10870         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10871         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 40QAM, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10874         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 40QAM, 120 kHz)         5G NR FR2 TDD         6.52         ± 9.           10874         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 40QAM, 120 kHz)         5G NR FR2 TDD         6.51         ± 9.           10875         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 40QAM, 120 kHz)         5G NR FR2 TDD         6.51         ± 9.	10863		5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.41	+96%
10037         JAL         JOS INTL2, GUNL2, DIA         JOS INTL2, GUNL2, DIA         JOS INTL2, DI	10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	837	+96%
10000         AAD         5G NR (DFT-s-OFDM, 18B, 100 MHz, QPSK, 30 KHz)         5G NR FR1 TDD         5.68         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 17B, 100 MHz, QPSK, 30 KHz)         5G NR FR1 TDD         5.68         ± 9.           10866         AAD         5G NR (DFT-s-OFDM, 17B, 100 MHz, QPSK, 30 KHz)         5G NR FR1 TDD         5.75         ± 9.           10869         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         5G NR FR2 TDD         5.75         ± 9.           10871         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         5G NR FR2 TDD         5.75         ± 9.           10872         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         5G NR FR2 TDD         6.61         ± 9.           10874         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 KHz)         5G NR FR2 TDD         6.65         ± 9.           10875         AAD         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 KHz)         5G NR FR2 TDD         7.78         ± 9.           10876         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         5G NR FR2 TDD         8.39         ± 9.           10878         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         5G NR FR2 TDD         8.41         ± 9. </td <td>10865</td> <td></td> <td>50 NR (CH OF DM, 100% RB, 30 MHz, QF OR, 00 KHz)</td> <td>5G NR FR1 TDD</td> <td>8.41</td> <td>+96%</td>	10865		50 NR (CH OF DM, 100% RB, 30 MHz, QF OR, 00 KHz)	5G NR FR1 TDD	8.41	+96%
10800         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.89         ± 9.           10868         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10870         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10870         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         5.86         ± 9.           10871         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.52         ± 9.           10873         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         6.61         ± 9.           10874         AAD         5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         7.78         ± 9.           10876         AAD         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         7.78         ± 9.           10877         AAD         5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9.           10879         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.41         ± 9.	10866		50 NR (CF-OFDM, 100% RB, 100 MHz, QPSK, 00 KHz)	5G NR FR1 TDD	5.68	+96%
Index         Instruct (DFT-s-OFDM, 107, 108, 100 MHz, QPSK, 120 KHz)         Instruct (DFT-s-OFDM, 107, 107, 108, 100 MHz, QPSK, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 100 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 50 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 50 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 100% RB, 50 MHz, 04QAM, 120 KHz)         Instruct (DFT-s-OFDM, 1RB, 50	10000	AAD	50 NR (DET & OEDM, 100% PR 100 MHz, OPSK 30 KHz)	50 NR FR1 TDD	5.80	+ 9.6 %
10809         AAD         5G NR (DFT-s-OFDM, 100% RE, 100 MHz, QPSK, 120 kHz)         5G NR (FR2 TDD         5.7.5         ± 9.           10871         AAD         5G NR (DFT-s-OFDM, 100% RE, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         5.8.5         ± 9.           10872         AAD         5G NR (DFT-s-OFDM, 100% RE, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.5.2         ± 9.           10873         AAD         5G NR (DFT-s-OFDM, 100% RE, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         6.6.1         ± 9.           10874         AAD         5G NR (DFT-s-OFDM, 100% RE, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         6.6.5         ± 9.           10875         AAD         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.39         ± 9.           10876         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.39         ± 9.           10876         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.38         ± 9.           10876         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.38         ± 9.           10877         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.38 <td< td=""><td>10000</td><td>AAD</td><td>50 NR (DF1-S-OFDM, 100% RB, 100 MHz, QF3R, 30 KHz)</td><td>50 NR FR1 TDD</td><td>5.05</td><td>19.0 %</td></td<>	10000	AAD	50 NR (DF1-S-OFDM, 100% RB, 100 MHz, QF3R, 30 KHz)	50 NR FR1 TDD	5.05	19.0 %
10870       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       5.30       1         10871       AAD       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.52       ± 9.         10873       AAD       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9.         10874       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10874       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10876       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.39       ± 9.         10877       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10878       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10879       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ± 9.         10881       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 40AAM, 120 kHz)       5G NR FR2 TDD       8.75       ± 9.         10882       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 40AAM, 12	10809		50 NR (DET - OEDM, 100% PR 100 MHz, QESK, 120 KHz)	50 NR FR2 TDD	5.96	+06%
10871       AAD       35 NR (DF1-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       5.73       ± 9.         10872       AAD       5G NR (DF1-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9.         10873       AAD       5G NR (DF1-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9.         10874       AAD       5G NR (DF1-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10875       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.39       ± 9.         10876       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10876       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10877       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10879       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10880       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10881       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz,	10070	AAD	50 NR (DFT-S-OFDM, 100% RB, 100 MHz, QF3R, 120 KHz)	50 NR FR2 TDD	5.00	± 9.0 %
10872       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ±9.         10873       AAD       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ±9.         10874       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ±9.         10875       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ±9.         10876       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.39       ±9.         10877       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ±9.         10878       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ±9.         10880       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ±9.         10881       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ±9.         10882       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.96       ±9.         10884       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	10071	AAD	50 NR (DFT-S-OFDM, 1 RB, 100 MHz, 100 AM, 120 KHz)	50 NR FR2 TDD	5.75	19.0 %
10873       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 KHz)       5G NR FR2 TDD       6.61       ± 9.         10874       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10875       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.39       ± 9.         10876       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.39       ± 9.         10877       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10878       AAD       5G NR (CP-OFDM, 1 00% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.12       ± 9.         10879       AAD       5G NR (CP-OFDM, 1 00% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.12       ± 9.         10880       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10881       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10882       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10884       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	10072	AAD	50 NR (DFT-S-OFDM, 100% RB, 100 MHz, 100 AM, 120 KHz)	SG NR FR2 TDD	0.52	±9.0 %
10874       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9.         10875       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9.         10876       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9.         10877       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10878       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10879       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.12       ± 9.         10880       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ± 9.         10881       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10882       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10883       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10884       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120	10073	AAD	50 NR (DFT-S-OFDM, 1 RB, 100 MIRZ, 64QAM, 120 KRZ)	5G NR FR2 TDD	0.01	±9.0 %
10875       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9.         10876       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.39       ± 9.         10877       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.43       ± 9.         10879       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10880       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ± 9.         10881       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ± 9.         10882       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10883       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10884       AAD       5G NR (DFT-s-OFDM, 10% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10885       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10886       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz	108/4	AAD	5G NR (DF I-S-OFDM, 100% RB, 100 MHZ, 64QAM, 120 KHZ)	5G NR FR2 TDD	0.00	± 9.6 %
10876       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.39       ± 9.         10877       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       7.95       ± 9.         10878       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10879       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.12       ± 9.         10880       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ± 9.         10881       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10882       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.96       ± 9.         10883       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10884       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10885       AAD       5G NR (DFT-s-OFDM, 1 00% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10886       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) </td <td>10875</td> <td>AAD</td> <td>5G NR (CP-OFDM, 1 RB, 100 MHZ, QPSK, 120 KHZ)</td> <td>5G NR FR2 TDD</td> <td>1.78</td> <td>± 9.6 %</td>	10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHZ, QPSK, 120 KHZ)	5G NR FR2 TDD	1.78	± 9.6 %
10877       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       7.95       ± 9.         10878       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9.         10879       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.12       ± 9.         10880       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ± 9.         10881       AAD       5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10882       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.76       ± 9.         10883       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10884       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9.         10885       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10886       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 1	108/6	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6%
10878         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9.           10879         AAD         5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.12         ± 9.           10880         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.38         ± 9.           10881         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10882         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.96         ± 9.           10883         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         6.57         ± 9.           10884         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.51         ± 9.           10885         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 04QAM, 120 kHz)         5G NR FR2 TDD         6.61         ± 9.           10886         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         6.65         ± 9.           10887         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.35         ± 9.	108/7	AAD	5G NK (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	7.95	±9.6%
10879         AAD         5G NR (CP-OFDM, 1 KB, 100 MHz, 64QAM, 120 KHz)         5G NR FR2 TDD         8.12         ± 9.           10880         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.38         ± 9.           10881         AAD         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.75         ± 9.           10882         AAD         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.96         ± 9.           10883         AAD         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         6.57         ± 9.           10884         AAD         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.53         ± 9.           10885         AAD         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         6.61         ± 9.           10886         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 04QAM, 120 kHz)         5G NR FR2 TDD         6.65         ± 9.           10887         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.35         ± 9.           10888         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.32         ± 9.	10878	AAD	5G NK (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10880       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.38       ± 9.         10881       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9.         10882       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.96       ± 9.         10883       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9.         10884       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.53       ± 9.         10885       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9.         10886       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9.         10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9.         10888       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9.         10889       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9.         10890       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 k	10879	AAD	5G NK (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	8.12	± 9.6 %
10881       AAD       5G NR (DF1-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.75       ± 9         10882       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.96       ± 9         10883       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9         10884       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.53       ± 9         10885       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9         10886       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9         10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9         10888       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.35       ± 9         10889       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9         10890       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10891       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD <td>10880</td> <td>AAD</td> <td>5G NK (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)</td> <td>5G NR FR2 TDD</td> <td>8.38</td> <td>± 9.6 %</td>	10880	AAD	5G NK (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10882       AAD       5G NR (DF1-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       5.96       ± 9         10883       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9         10884       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.53       ± 9         10885       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9         10886       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9         10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9         10888       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.35       ± 9         10889       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9         10890       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10891       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10892       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD	10881	AAD	5G NK (DF I-S-OFDM, 1 KB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10883       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.57       ± 9         10884       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.53       ± 9         10885       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9         10886       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9         10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9         10888       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.35       ± 9         10889       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9         10890       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10891       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10892       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9         10897       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR1 TDD	10882	AAD	5G NK (DFT-S-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10884       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       6.53       ± 9         10885       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9         10886       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9         10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9         10888       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.35       ± 9         10889       AAD       5G NR (CP-OFDM, 1 00% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9         10890       AAD       5G NR (CP-OFDM, 1 00% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10891       AAD       5G NR (CP-OFDM, 1 00% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.13       ± 9         10892       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9         10897       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR1 TDD       5.66       ± 9         10898       AAD       5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1	10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10885       AAD       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.61       ± 9         10886       AAD       5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       6.65       ± 9         10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9         10888       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.35       ± 9         10889       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9         10890       AAD       5G NR (CP-OFDM, 1 00% RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10891       AAD       5G NR (CP-OFDM, 1 00% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.13       ± 9         10892       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9         10897       AAD       5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.66       ± 9         10898       AAD       5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.67       ± 9	10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10886         AAD         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         6.65         ± 9           10887         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         7.78         ± 9           10888         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.35         ± 9           10889         AAD         5G NR (CP-OFDM, 1 00% RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.02         ± 9           10890         AAD         5G NR (CP-OFDM, 1 00% RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.40         ± 9           10891         AAD         5G NR (CP-OFDM, 1 00% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.13         ± 9           10892         AAD         5G NR (CP-OFDM, 1 00% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9           10897         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ± 9           10898         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ± 9	10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10887       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       7.78       ± 9         10888       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)       5G NR FR2 TDD       8.35       ± 9         10889       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.02       ± 9         10890       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)       5G NR FR2 TDD       8.40       ± 9         10891       AAD       5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.13       ± 9         10892       AAD       5G NR (CP-OFDM, 1 00% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9         10892       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ± 9         10897       AAD       5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.66       ± 9         10898       AAD       5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.67       ± 9	10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10888         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         8.35         ± 9           10889         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.02         ± 9           10890         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.02         ± 9           10890         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.40         ± 9           10891         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.13         ± 9           10892         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9           10897         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ± 9           10898         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ± 9	10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10889         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.02         ± 9           10890         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.40         ± 9           10891         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.13         ± 9           10892         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9           10892         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9           10897         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ± 9           10898         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ± 9	10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10890         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.40         ± 9           10891         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.13         ± 9           10892         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9           10897         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ± 9           10898         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ± 9	10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6 %
10891         AAD         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.13         ± 9           10892         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9           10897         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ± 9           10898         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ± 9	10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10892         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ± 9           10897         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ± 9           10898         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ± 9	10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10897         AAD         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ± 9           10898         AAD         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ± 9	10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10898 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ± 9	10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
	10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %

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10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10901		5G NR (DET-S-OEDM 1 RB 25 MHz OPSK 30 kHz)	5G NR FR1 TDD	5 68	+96%
10007		5G NR (DET-s-OEDM 1 RB 30 MHz, OPSK 30 kHz)	5G NR FR1 TDD	5.68	+96%
10002		5G NR (DET & OEDM, 1 RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	+96%
10903		50 NR (DET & OEDM 1 PR 50 MHz, QF 6K, 30 KHz)	5G NR FR1 TDD	5.68	+96%
10904	AAD	50 NR (DFT-S-OFDM, 1 RB, 50 MHz, QFSK, 30 KHz)	5G NR FR1 TDD	5.68	+96%
10905	AAD	50 NR (DFT-S-OFDM, TRB, 00 MHZ, QFSK, 30 KHZ)	5G NR FR1 TDD	5.68	+96%
10906	AAD	SO NR (DET - OFDM, TRB, OUMITZ, QPSK, SU KHZ)	SO NR FRI TDD	5.00	+0.6%
10907	AAD	50 NR (DFT-S-OFDM, 50% RB, 5 MILZ, QPSK, 50 KHZ)	50 NR FRI TDD	5.03	19.0 %
10908	AAD	SG NR (DFT-S-OFDM, 50% RB, 10 MHZ, QPSK, 30 KHZ)	50 NR FRI TDD	5.95	± 9.0 %
10909	AAD	5G NR (DFT-S-OFDM, 50% RB, 15 MHZ, QPSK, 30 KHZ)	SG NR FRITDD	5.90	19.0 %
10910	AAD	5G NR (DFT-S-OFDM, 50% RB, 20 MHz, QPSK, 30 KHZ)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	50 NR (DFT-S-OFDM, 50% RB, 25 MHZ, QPSK, 30 KHZ)	5G NR FRI TDD	5.95	± 9.0 %
10912	AAD	5G NR (DFT-S-OFDM, 50% RB, 30 MHZ, QPSK, 30 KHZ)	SG NR FRI TDD	5.04	± 9.0 %
10913	AAD	SG NR (DFT-S-OFDM, 50% RB, 40 MHZ, QPSK, 30 KHZ)	5G NR FRI TDD	5.04	± 9.6 %
10914	AAD	SG NR (DFT-S-OFDM, 50% RB, 50 MHz, QPSK, 30 KHz)	5G NR FRI TDD	0.00	±9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6%
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6%
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6%
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6%
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6%
10926	AAD	5G NR (DF I-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6%
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6%
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6%
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6%
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6%
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DF I-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.89	±9.6%
10941	AAB	5G NK (DFT-S-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6%
10943	AAB	5G NR (DFT-S-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6%
10945	AAB	5G NR (DFT-S-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-S-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.94	±9.6%
10949	AAB	SO NR (DET - OFDM, 100% RB, 30 MHZ, QPSK, 15 KHZ)	SG NR FRI FDD	5.01	± 9.0 %
10950	AAB	DUNK (UFT-S-OFDM, 100% KB, 40 MHZ, QPSK, 15 KHZ)	SG NR FRI FDD	5.94	1060/
10951	AAB	SO NR (UF I-S-OFDM, TUU% KB, SU MHZ, QFSK, TS KHZ)	SC NR FRI FDD	0.92	± 9.0 %
10952	AAB	SO NR DL (CP-OFDM, TM 3.1, 5 MHZ, 64-QAM, 15 KHZ)	SG NR FRI FDD	0.20	± 9.0 %
10953	AAB	SO NR DE (CP-OFDM, INI S. I, IU MITZ, 64-QAM, 15 KHZ)		0.15	1060/
10954	AAB	DO NR DE (OP-OFDM, TNI 3.1, 15 MHZ, 64-QAM, 15 KHZ)	SG NR FRI FUD	0.23	19.0 %
10955	AAB	50 NR DL (CP-OFDM, 1M 3.1, 20 MHz, 64-QAM, 15 KHz)	SG NK FR1 FDD	8.42	± 9.6 %
10956	AAB	DG NK DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 KHz)	5G NR FR1 FDD	8.14	±9.6%
10957	AAC	1 3G NK DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)	J SG NK FRI FDD	0.31	± 9.0 %

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AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6 %
AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
	AAB AAB AAB AAB AAB AAB AAB AAB AAB AAB	AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         AAB       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD         AAB	AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33         AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.32         AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36         AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.40         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.40         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55         AAB       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.29         AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42         AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42         AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42         AAB       5G NR DL

<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.



Certificate No: Z21-60217





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# Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORMx,y,z
N/A	not applicable or not measured

# Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

# Additional Documentation:

e) DASY4/5 System Handbook

## Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
  of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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



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#### **Measurement Conditions**

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	750 MHz ± 1 MHz	

Head TSL parameters The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	42.0	0.90 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	42.0 ± 6 %	0.88 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

# SAR result with Head TSL

SAR averaged over 1 $cm^3$ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.59 W/kg ± 18.8 % ( <i>k</i> =2)
SAR averaged over 10 $cm^3$ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.39 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.60 W/kg ± 18.7 % ( <i>k</i> =2)



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#### Appendix (Additional assessments outside the scope of CNAS L0570)

## Antenna Parameters with Head TSL

Impedance, transformed to feed point	53.7Ω- 1.50jΩ	
Return Loss	- 28.2dB	

#### General Antenna Parameters and Design

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

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

## Additional EUT Data

|--|



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Date: 06.01.2021

**DASY5 Validation Report for Head TSL** Test Laboratory: CTTL, Beijing, China DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN: 1095 Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1 Medium parameters used: f = 750 MHz;  $\sigma = 0.881 \text{ S/m}$ ;  $\varepsilon_r = 42.02$ ;  $\rho = 1000 \text{ kg/m}^3$ Phantom section: Center Section **DASY5** Configuration:

- Probe: EX3DV4 SN3846; ConvF(10, 10, 10) @ 750 MHz; Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn777; Calibrated: 2021-01-08
- Phantom: MFP V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.56 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.39 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 2.91 W/kg



0 dB = 2.91 W/kg = 4.64 dBW/kg



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## Impedance Measurement Plot for Head TSL





Certificate No: Z21-60218



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# Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORMx,y,z
N/A	not applicable or not measured

# Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

# Additional Documentation:

e) DASY4/5 System Handbook

## Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
  of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed
  point exactly below the center marking of the flat phantom section, with the arms oriented
  parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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



In Collaboration with

S D CALIBRATION LABORATORY

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#### **Measurement Conditions**

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	835 MHz ± 1 MHz	

# **Head TSL parameters**

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.90 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	41.4 ± 6 %	0.89 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

# SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.37 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.52 W/kg ± 18.8 % ( <i>k</i> =2)
SAR averaged over 10 $cm^3$ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.53 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.14 W/kg ± 18.7 % ( <i>k</i> =2)



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#### Appendix (Additional assessments outside the scope of CNAS L0570)

## Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.9Ω- 5.07jΩ
Return Loss	- 25.8dB

#### **General Antenna Parameters and Design**

Electrical Delay (one direction)	1.350 ns

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

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

## **Additional EUT Data**

Manufactured by	SPEAG



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DASY5 Validation Report for Head TSLDate: 06.01.2021Test Laboratory: CTTL, Beijing, ChinaDUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d160Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1Medium parameters used: f = 835 MHz;  $\sigma = 0.894$  S/m;  $\varepsilon_r = 41.44$ ;  $\rho = 1000$  kg/m<sup>3</sup>Phantom section: Right SectionDASY5 Configuration:

- Probe: EX3DV4 SN3846; ConvF(10, 10, 10) @ 835 MHz; Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn777; Calibrated: 2021-01-08
- Phantom: MFP\_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm,

dy=5mm, dz=5mm Reference Value = 56.07 V/m; Power Drift = -0.04 dB Peak SAR (extrapolated) = 3.79 W/kg SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.53 W/kg Smallest distance from peaks to all points 3 dB below = 20.6 mm Ratio of SAR at M2 to SAR at M1 = 62.6% Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 3.26 W/kg = 5.13 dBW/kg



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# Impedance Measurement Plot for Head TSL





Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336) Sep-21	
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 3846	26-Apr-21(CTTL-SPEAG,No.Z21-60084)	Apr-22
DAE4	SN 777	08-Jan-21(CTTL-SPEAG,No.Z21-60003)	Jan-22
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22
	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	表記
Reviewed by:	Lin Hao	SAR Test Engineer	4438
Approved by:	Qi Dianyuan	SAR Project Leader	200
		Issued: June 6, 2021	
This calibration certificate sl	hall not be reproc	duced except in full without written approval	of the laboratory.

Certificate No: Z21-60220



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#### Glossary:

TSL	tissue simulating liquid		
ConvF	sensitivity in TSL / NORMx,y,z		
N/A	not applicable or not measured		

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

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

## Additional Documentation:

e) DASY4/5 System Handbook

## Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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



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#### **Measurement Conditions**

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1750 MHz ± 1 MHz	

#### Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.1	1.37 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	40.5 ± 6 %	1.36 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

# SAR result with Head TSL

SAR averaged over 1 $cm^3$ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.04 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	36.4 W/kg ± 18.8 % (k=2)
SAR averaged over 10 $cm^3$ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	4.69 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	18.9 W/kg ± 18.7 % (k=2)



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#### Appendix (Additional assessments outside the scope of CNAS L0570)

## Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.8Ω- 2.01jΩ	
Return Loss	- 30.4 dB	

#### **General Antenna Parameters and Design**

Electrical Delay (one direction)	1.124 ns
----------------------------------	----------

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

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

## **Additional EUT Data**

Manufactured by	SPEAG



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DASY5 Validation Report for Head TSLDate: 06.01.2021Test Laboratory: CTTL, Beijing, ChinaDUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN: 1101Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1Medium parameters used: f = 1750 MHz;  $\sigma = 1.358$  S/m;  $\varepsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>Phantom section: Center SectionDASY5 Configuration:

- Probe: EX3DV4 SN3846; ConvF(8.22, 8.22, 8.22) @ 1750 MHz; Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn777; Calibrated: 2021-01-08
- Phantom: MFP\_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.22 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 9.04 W/kg; SAR(10 g) = 4.69 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg

Certificate No: Z21-60220

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# Impedance Measurement Plot for Head TSL





E-mail: cttl@chinattl.com

Client

BTL Inc .

**Certificate No:** Z21-60221

CALIBRATION CERTIFICATE Object D1900V2 - SN: 5d179 Calibration Procedure(s) FF-Z11-003-01 Calibration Procedures for dipole validation kits Calibration date: May 31, 2021 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) ID # Cal Date (Calibrated by, Certificate No.) Scheduled Calibration Primary Standards Power Meter NRP2 106277 23-Sep-20 (CTTL, No.J20X08336) Sep-21 104291 Sep-21 Power sensor NRP8S 23-Sep-20 (CTTL, No.J20X08336) Reference Probe EX3DV4 SN 3846 26-Apr-21(CTTL-SPEAG, No.Z21-60084) Apr-22 DAE4 08-Jan-21(CTTL-SPEAG, No.Z21-60003) Jan-22 **SN 777** Secondary Standards ID# Cal Date (Calibrated by, Certificate No.) Scheduled Calibration Signal Generator E4438C MY49071430 01-Feb-21 (CTTL, No.J21X00593) Jan-22 NetworkAnalyzer E5071C MY46110673 14-Jan-21 (CTTL, No.J21X00232) Jan-22 Name Function Signature Calibrated by: Zhao Jing SAR Test Engineer Reviewed by: Lin Hao SAR Test Engineer Approved by: Qi Dianyuan SAR Project Leader Issued: June 6, 2021 This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



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#### lossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORMx,y,z
N/A	not applicable or not measured

# Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

## Additional Documentation:

e) DASY4/5 System Handbook

## Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
  of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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



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#### **Measurement Conditions**

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1900 MHz ± 1 MHz	

Head TSL parameters The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	40.3 ± 6 %	1.38 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

# SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.79 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	39.6 W/kg ± 18.8 % ( <i>k</i> =2)
SAR averaged over 10 $cm^3$ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	4.97 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	20.0 W/kg ± 18.7 % ( <i>k</i> =2)



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#### Appendix (Additional assessments outside the scope of CNAS L0570)

# Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.8Ω+ 2.66jΩ
Return Loss	- 28.4dB

#### General Antenna Parameters and Design

Electrical Delay (one direction)	1.105 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

## **Additional EUT Data**

Manufactured by	SPEAG



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**DASY5 Validation Report for Head TSL** Test Laboratory: CTTL, Beijing, China

Date: 05.31.2021

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d179** Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1 Medium parameters used: f = 1900 MHz;  $\sigma = 1.38$  S/m;  $\varepsilon_r = 40.25$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 SN3846; ConvF(7.96, 7.96, 7.96) @ 1900 MHz; Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn777; Calibrated: 2021-01-08
- Phantom: MFP\_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

System Performance Check/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.89 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 9.79 W/kg; SAR(10 g) = 4.97 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 50.5%

Maximum value of SAR (measured) = 15.7 W/kg



0 dB = 15.7 W/kg = 11.96 dBW/kg



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