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10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	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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10890 AAD SG NR (DFT=-OFDM, 1 RB, 15 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.67 9.9.6 % 10901 AAD SG NR (DFT=-OFDM, 1 RB, 20 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10902 AAD SG NR (DFT=-OFDM, 1 RB, 20 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10903 AAD SG NR (DFT=-OFDM, 1 RB, 30 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10903 AAD SG NR (DFT=-OFDM, 1 RB, 30 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10903 AAD SG NR (DFT=-OFDM, 1 RB, 50 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10909 AAD SG NR (DFT=-OFDM, 1 RB, 50 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10909 AAD SG NR (DFT=-OFDM, 1 RB, 50 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10909 AAD SG NR (DFT=-OFDM, 1 RB, 50 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10909 AAD SG NR (DFT=-OFDM, 50% RB, 15 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.68 9.9.6 % 10908 AAD SG NR (DFT=-OFDM, 50% RB, 15 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.69 1.9.6 % 10908 AAD SG NR (DFT=-OFDM, 50% RB, 5 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.90 1.9.6 % 10909 AAD SG NR (DFT=-OFDM, 50% RB, 5 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.90 1.9.6 % 10909 AAD SG NR (DFT=-OFDM, 50% RB, 50 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.90 1.9.6 % 10909 AAD SG NR (DFT=-OFDM, 50% RB, 25 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.90 1.9.6 % 1.9.6 % 10900 AAD SG NR (DFT=-OFDM, 50% RB, 25 MHz, CPSK, 30 MHz) SG NR FRI TIDD 5.90 1.9.6 % 1.9.6						
100902 AAD 5G NR (PFTs-OFDM, 18B, 25 MHz, OPSK, 30 HHz)	10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
19902 AAD 5G NR (PFF-G-PDM, 1 RB, 30 MHz, QPSK, 30 Hz)	10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
19909 AAD 5G NR (PFF-s-OFDM, 1RB, 40 MHz, OPSK, 30 Hz)	10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
1999	10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
19905 AAD SG NR (DFT-s-OFDM, 18R, 80 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.88 ±9.6 % 19907 AAD SG NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.88 ±9.6 % 19908 AAD SG NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.93 ±9.6 % 19909 AAD SG NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.93 ±9.6 % 19909 AAD SG NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.93 ±9.6 % 19910 AAD SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.93 ±9.6 % 19911 AAD SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.93 ±9.6 % 19911 AAD SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.93 ±9.6 % 19911 AAD SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.94 ±9.6 % 19913 AAD SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.84 ±9.6 % 19913 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19915 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19915 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19916 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19916 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19917 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19918 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19918 AAD SG NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.85 ±9.6 % 19918 AAD SG NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.86 ±9.6 % 19918 AAD SG NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.86 ±9.6 % 19928 AAD SG NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) SG NR RR1 TDD 5.86 ±9.6 % 19928	10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
19906 AAD 5G NR (DFT-s-OFDM, 198, 80 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.78 ±9.6 % 19908 AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.78 ±9.6 % 19909 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.96 ±9.6 % 19910 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.96 ±9.6 % 19911 AAD 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.90 ±9.6 % 19912 AAD 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.93 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.93 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.84 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.85 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.85 ±9.6 % 19915 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.85 ±9.6 % 19916 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.86 ±9.6 % 19916 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.86 ±9.6 % 19918 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19918 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.82 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.82 ±9.6 % 19924 AAD 5G N	10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
19906 AAD 5G NR (DFT-s-OFDM, 198, 80 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.78 ±9.6 % 19908 AAD 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.78 ±9.6 % 19909 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.96 ±9.6 % 19910 AAD 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.96 ±9.6 % 19911 AAD 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.90 ±9.6 % 19912 AAD 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.93 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.93 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.84 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.85 ±9.6 % 19913 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.85 ±9.6 % 19915 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.85 ±9.6 % 19916 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.86 ±9.6 % 19916 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 5.86 ±9.6 % 19918 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19918 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.86 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.82 ±9.6 % 19924 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.82 ±9.6 % 19924 AAD 5G N	10905	AAD			5.68	
19907 AAD SG NR (DFT-s-OPEM, 50% RB, 10 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.93 ± 9.6 % 19908 AAD SG NR (DFT-s-OPEM, 50% RB, 10 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.93 ± 9.6 % 19919 AAD SG NR (DFT-s-OPEM, 50% RB, 20 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.83 ± 9.6 % 19911 AAD SG NR (DFT-s-OPEM, 50% RB, 20 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.83 ± 9.6 % 19911 AAD SG NR (DFT-s-OPEM, 50% RB, 20 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.83 ± 9.6 % 19912 AAD SG NR (DFT-s-OPEM, 50% RB, 20 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.84 ± 9.6 % 19913 AAD SG NR (DFT-s-OPEM, 50% RB, 30 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.84 ± 9.6 % 19913 AAD SG NR (DFT-s-OPEM, 50% RB, 50 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.84 ± 9.6 % 19914 AAD SG NR (DFT-s-OPEM, 50% RB, 50 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.85 ± 9.9 % 19915 AAD SG NR (DFT-s-OPEM, 50% RB, 50 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.85 ± 9.8 % 19915 AAD SG NR (DFT-s-OPEM, 50% RB, 50 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.85 ± 9.6 % 19917 AAD SG NR (DFT-s-OPEM, 50% RB, 50 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.85 ± 9.6 % 19918 AAD SG NR (DFT-s-OPEM, 100% RB, 50 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.87 ± 9.6 % 19918 AAD SG NR (DFT-s-OPEM, 100% RB, 50 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.87 ± 9.6 % 19920 AAD SG NR (DFT-s-OPEM, 100% RB, 15 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.86 ± 9.6 % 19920 AAD SG NR (DFT-s-OPEM, 100% RB, 15 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.86 ± 9.6 % 19922 AAD SG NR (DFT-s-OPEM, 100% RB, 15 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.86 ± 9.6 % 19922 AAD SG NR (DFT-s-OPEM, 100% RB, 15 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.86 ± 9.6 % 19922 AAD SG NR (DFT-s-OPEM, 100% RB, 15 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.86 ± 9.6 % 19922 AAD SG NR (DFT-s-OPEM, 100% RB, 26 MHz, QPSK, 30 MHz) SG NR RR1 TDD 5.86 ± 9.6 % 19922 AAD SG NR (DFT-s-OPEM, 100% RB, 26 MHz, QPSK, 15 MHz) SG NR RR1 TDD 5.86 ± 9.6 % 19922 AAD SG NR	10906	-				
19090 AAD SG NR (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.98 ± 9.6 % 19010 AAD SG NR (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.98 ± 9.6 % 19011 AAD SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.93 ± 9.6 % 19012 AAD SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.93 ± 9.6 % 19012 AAD SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.94 ± 9.6 % 19013 AAD SG NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.94 ± 9.6 % 19013 AAD SG NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.85 ± 9.6 % 19014 AAD SG NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.85 ± 9.6 % 19014 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.85 ± 9.6 % 19015 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.85 ± 9.6 % 19016 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 Hz) SG NR RR1 TDD 5.85 ± 9.6 % 19016 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.86 ± 9.6 % 19014 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.86 ± 9.6 % 19018 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.86 ± 9.6 % 19018 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.86 ± 9.6 % 19022 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.86 ± 9.6 % 19022 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.86 ± 9.6 % 19022 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.86 ± 9.6 % 19022 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.87 ± 9.6 % 19022 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.80 ± 9.6 % 19022 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 KHz) SG NR RR1 TDD 5.80 ± 9.6 % 19022 AAD SG NR (DFT-s-OFDM,		-				
10909	10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10910 AAD SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.83 ± 9.6 % 10912 AAD SG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10913 AAD SG NR (DFT-s-OFDM, 50% RB, 40 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10913 AAD SG NR (DFT-s-OFDM, 50% RB, 40 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10914 AAD SG NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.85 ± 9.6 % 10915 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.85 ± 9.6 % 10916 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.87 ± 9.6 % 10917 AAD SG NR (DFT-s-OFDM, 50% RB, 80 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.87 ± 9.6 % 10919 AAD SG NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.86 ± 9.6 % 10919 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.86 ± 9.6 % 10919 AAD SG NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.86 ± 9.6 % 10920 AAD SG NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.86 ± 9.6 % 10920 AAD SG NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.86 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.87 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz) SG NR FRI TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz) SG NR F	10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	
10911 AAD SG NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.94 ±9.6 % 10913 AAD SG NN (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10914 AAD SG NN (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10915 AAD SG NN (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.85 ±9.6 % 10916 AAD SG NN (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.85 ±9.6 % 10917 AAD SG NN (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.87 ±9.6 % 10917 AAD SG NN (DFT-s-OFDM, 50% RB, 100 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.87 ±9.6 % 10918 AAD SG NN (DFT-s-OFDM, 50% RB, 100 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.86 ±9.6 % 10919 AAD SG NN (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.86 ±9.6 % 10920 AAD SG NN (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.86 ±9.6 % 10920 AAD SG NN (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.86 ±9.6 % 10921 AAD SG NN (DFT-s-OFDM, 100% RB, 15 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.87 ±9.6 % 10922 AAD SG NN (DFT-s-OFDM, 100% RB, 25 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.87 ±9.6 % 10922 AAD SG NN (DFT-s-OFDM, 100% RB, 25 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10924 AAD SG NN (DFT-s-OFDM, 100% RB, 26 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10924 AAD SG NN (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10925 AAD SG NN (DFT-s-OFDM, 100% RB, 60 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10925 AAD SG NN (DFT-s-OFDM, 100% RB, 60 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10925 AAD SG NN (DFT-s-OFDM, 100% RB, 60 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10925 AAD SG NN (DFT-s-OFDM, 100% RB, 60 MHz, OPSK, 30 kHz) SG NN FRI TDD 5.84 ±9.6 % 10925 AAD SG NN (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NN FRI TDD 5.52 ±	10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	
10912 AAD 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10914 AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.85 ± 9.6 % 10915 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.85 ± 9.6 % 10916 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.83 ± 9.6 % 10917 AAD SG NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10918 AAD SG NR (DFT-s-OFDM, 50% RB, 100 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.94 ± 9.6 % 10919 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.94 ± 9.6 % 10919 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.96 ± 9.6 % 10920 AAD SG NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.86 ± 9.6 % 10920 AAD SG NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.86 ± 9.6 % 10921 AAD SG NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.86 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 25 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 25 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10928 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10928 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10929 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10929 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10929 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.96 % 10929 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz) SG NR FR1 TDD 5.96 % 10929 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.5	10911	AAD		5G NR FR1 TDD	5.93	± 9.6 %
10913 AAD 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10915 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.85 ± 9.6 % 10915 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.83 ± 9.6 % 10916 AAD 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.87 ± 9.6 % 10917 AAD 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.86 ± 9.6 % 10918 AAD 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.86 ± 9.6 % 10920 AAD 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.86 ± 9.6 % 10920 AAD 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.86 ± 9.6 % 10921 AAD 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.87 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.87 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.82 ± 9.6 % 10923 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.82 ± 9.6 % 10923 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.95 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.96 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.95 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz) 5G NR FRI TDD 5.95 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.95 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 15 kHz) 5G	10912	AAD		5G NR FR1 TDD	5.84	± 9.6 %
10914 AAD 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.85 ± 9.6 % 10916 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.87 ± 9.6 % 10917 AAD 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.94 ± 9.6 % 10917 AAD 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.94 ± 9.6 % 10918 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.96 ± 9.6 % 10919 AAD 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.86 ± 9.6 % 10920 AAD 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.86 ± 9.6 % 10921 AAD 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.86 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.82 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10924 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 1RB, 10 MHz, QPSK, 10 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) 5G NR FRI TDD 5.84 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) 5G NR FRI TDD 5.52 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.52 ± 9.6 % 10933 AAD 5G NR (DFT-s-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 9.6 % 10933 AAD 5G NR (DFT-s-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ±	10913	AAD		5G NR FR1 TDD	5.84	
10915 AAD 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.87 ± 9.6 % 10917 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, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.86 ± 9.6 % 10919 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.86 ± 9.6 % 10920 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.86 ± 9.6 % 10920 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 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 5.87 ± 9.6 % 10922 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, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 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, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10927 AAD 5G NR (DFT-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, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1	10914	AAD		5G NR FR1 TDD	5.85	
10916 AAD 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.87 ± 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, 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, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.86 ± 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, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 9.6 % 10924 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 9.6 % 10924 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 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.54 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10933 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10933 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.56 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51	10915	AAD		5G NR FR1 TDD	5.83	
10917 AAD 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.86 ± 9.6 % 10918 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.86 ± 9.6 % 10920 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, 10 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 5.87 ± 9.6 % 10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 9.6 % 10923 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10924 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 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, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.95 ± 9.6 % 10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10930 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10930 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, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD	10916	AAD		5G NR FR1 TDD	5.87	
10918 AAD SG NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.86 ± 9.6 % 10920 AAD SG NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.86 ± 9.6 % 10921 AAD SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.86 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.82 ± 9.6 % 10922 AAD SG NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.82 ± 9.6 % 10923 AAD SG NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.82 ± 9.6 % 10924 AAD SG NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10925 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10926 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10926 AAD SG NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 9.6 % 10926 AAD SG NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.94 ± 9.6 % 10927 AAD SG NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.94 ± 9.6 % 10928 AAD SG NR (DFT-s-OFDM, 17 KB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD 5.94 ± 9.6 % 10929 AAD SG NR (DFT-s-OFDM, 17 KB, 50 MHz, QPSK, 15 kHz) SG NR FR1 TDD 5.94 ± 9.6 % 10931 AAD SG NR (DFT-s-OFDM, 17 KB, 15 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 10932 AAD SG NR (DFT-s-OFDM, 17 KB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 9.6 % 10933 AAA SG NR (DFT-s-OFDM, 17 KB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10933 AAA SG NR (DFT-s-OFDM, 17 KB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10933 AAA SG NR (DFT-s-OFDM, 17 KB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10933 AAA SG NR (DFT-s-OFDM, 17 KB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 9.6 % 10933 AAA SG NR (DFT-s-OFDM, 17 KB, 20 MHz, QPSK, 15 kHz) SG NR FR1 FDD 5	10917	AAD		5G NR FR1 TDD	5.94	
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 % 10923 AAD 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10924 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 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 5.84 ± 9.6 % 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10930 AAD 5G NR (DFT-s-OFDM, 1RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10934	10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	
10920 AAD 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.87 ± 9.6 % 10921 AAD 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10923 AAD 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10924 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 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 5.84 ± 9.6 % 10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10929 AAD 5G NR (DFT-s-OFDM, 1RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10930 AAD 5G NR (DFT-s-OFDM, 1RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 5.51 ± 9.6 % 10934				5G NR FR1 TDD		
10922 AAD 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 9.6 % 10924 AAD 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10925 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, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.95 ± 9.6 % 10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.95 ± 9.6 % 10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10928 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, 1RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10930 AAD 5G NR (DFT-s-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10932 AAD 5G NR (DFT-s-OFDM, 1 RB, 25 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 % 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, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAA 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAA 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.50 ± 9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ± 9.6 % 1	10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 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, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 9.6 % 10926 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 (DFT-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 5.84 ± 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, 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, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10934 AAA 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10935 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, 30 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 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAA 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10936 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10936 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10934	10921	AAD		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 5.84 ± 9.6 % 10927 AAD 5G NR (DFT-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 5.54 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10930 AAD 5G NR (DFT-s-OFDM, 1 RB, 5 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 5.52 ± 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, 20 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, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10935 AAA 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAC 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, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.50 ± 9.6 % 10936 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.50 ± 9.6 % 10936 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 1093		AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	
10925 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 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, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ± 9.6 % 10928 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 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, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 9.6 % 10931 AAD 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 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, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10934 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10935 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10937 AAB 5G NR (DFT-s-OFDM, 50 MRz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10937 AAB 5G NR (DFT-s-OFDM, 50 MRz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10938 AAA 5G NR (DFT-s-OFDM, 50 MRz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10939 AAB 5G NR (DFT-s-OFDM, 50 MRz, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50 MRz, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10943 AAB 5G NR (DFT-s-OFDM, 50 MRz, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10943 AAB 5G NR (DFT-s-OFDM, 50 MRz, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10943 AAB 5G NR (DFT-s-OFDM, 50 MRz, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10944 AAB 5G NR (DFT-s-	10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10926 AAD 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.94 ±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, 5 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 % 10930 AAD 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ±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, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ±9.6 % 10935 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ±9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ±9.6 % 10936 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ±9.6 % 10938 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ±9.6 % 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ±9.6 % 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ±9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ±9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ±9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ±9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ±9.6 % 10934 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ±9.6 % 10934 AAB 5G NR (DFT-s-		AAD		5G NR FR1 TDD		± 9.6 %
10927 AAD 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 15 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 % 10931 AAD 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, 30 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 % 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, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10937 AAB 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, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 9.6 % 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ± 9.6 % 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10944 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10944 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10944		AAD		5G NR FR1 TDD	5.95	
10928		AAD				
10929						
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, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10936 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 9.6 % 10937 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.71 ± 9.6 % 10938 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, 10 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 5.80 ± 9.6 % 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 9.6 % 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 9.6 % 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10944 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10944 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10945 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 %						
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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, 50 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, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10952 AAB 5G NR DL (CP-OFDM						
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10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 %						
10957 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD $8.31 \pm 9.6 \%$	10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %





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10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	1.16	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	8.58	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	10.32	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	3.19	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	3.43	± 9.6 %
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	± 9.6 %
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	± 9.6 %
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 9.6 %
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	± 9.6 %
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	± 9.6 %
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	± 9.6 %
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	± 9.6 %
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	± 9.6 %
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	± 9.6 %
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	± 9.6 %
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	± 9.6 %
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	± 9.6 %
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	± 9.6 %
11013	AAA	IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
11014	AAA	IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)	WLAN	8.45	± 9.6 %
11015	AAA	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11016	AAA	IEEE 802.11be (320MHz, MCS4, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11017	AAA	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.41	± 9.6 %
11018	AAA	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	± 9.6 %
11019	AAA	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
11020	AAA	IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)	WLAN	8.27	± 9.6 %
11021	AAA	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.46	± 9.6 %
11022	AAA	IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)	WLAN	8.36	± 9.6 %
11023 11024	AAA AAA	IEEE 802.11be (320MHz, MCS11, 99pc duty cycle) IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN	8.09	± 9.6 %
11024	AAA	IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN WLAN	8.42	± 9.6 %
11025	AAA			8.37	± 9.6 %
11020	AAA	IEEE 802.11be (320MHz, MCS0, 99pc duty cycle)	WLAN	8.39	± 9.6 %

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



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Client:

TOWE



Certificate No: 24J02Z000974

CALIBRATION CERTIFICATE

Object DAE4ip - SN: 1846

Calibration Procedure(s) FF-Z11-002-01

Calibration Procedure for the Data Acquisition Electronics

(DAEx)

Calibration date: December 10, 2024

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) [™] and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Process Calibrator 753	1971018	11-Jun-24 (CTTL, No.24J02X005147)	Jun-25

Name Function Signature

Calibrated by: Yu Zongying SAR Test Engineer

Reviewed by: Lin Jun SAR Test Engineer

Approved by: Qi Dianyuan SAR Project Leader

Issued: December 11, 2024

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





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Glossary:

DAE data acquisition electronics

Connector angle information used in DASY system to align probe sensor X

to the robot coordinate system.

Methods Applied and Interpretation of Parameters:

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The report provide only calibration results for DAE, it does not contain other performance test results.

Certificate No: 24J02Z000974





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DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = Low Range: 1LSB =

 $1LSB = 6.1 \mu V$,

, full range =

-100...+300 mV

61nV, full range =

-1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	Х	Υ	Z
High Range	404.504 ± 0.15% (k=2)	404.731 ± 0.15% (k=2)	404.486 ± 0.15% (k=2)
Low Range	3.99731 ± 0.7% (k=2)	4.01106 ± 0.7% (k=2)	3.98858 ± 0.7% (k=2)

Connector Angle

Connector Angle to be used in DASY system	52.5° ± 1 °
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Certificate No: 24J02Z000974



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Client

TOWE

Certificate No:

J23Z60192

CALIBRATION CERTIFICATE

Object D2600V2 - SN: 1094

Calibration Procedure(s) FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date: March 23, 2023

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)[∞] and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
106276	10-May-22 (CTTL, No.J22X03103)	May-23
101369	10-May-22 (CTTL, No.J22X03103)	May-23
SN 7517	27-Jan-23(SPEAG,No.EX3-7517_Jan23)	Jan-24
SN 1556	11-Jan-23(CTTL-SPEAG,No.Z23-60034)	Jan-24
ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
MY49070393	17-May-23 (CTTL, No.J22X03157)	May-24
MY46110673	10-Jan-23 (CTTL, No. J23X00104)	Jan-24
	106276 101369 SN 7517 SN 1556 ID # MY49070393	106276 10-May-22 (CTTL, No.J22X03103) 101369 10-May-22 (CTTL, No.J22X03103) SN 7517 27-Jan-23(SPEAG,No.EX3-7517_Jan23) SN 1556 11-Jan-23(CTTL-SPEAG,No.Z23-60034) ID # Cal Date (Calibrated by, Certificate No.) MY49070393 17-May-23 (CTTL, No.J22X03157)

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: March 30, 2023

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

Certificate No: J23Z60192

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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) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020

b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

Certificate No: J23Z60192

c) 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 Version	DASY52	52.10.4
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	2600 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.0	1.96 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	39.3 ± 6 %	1.95 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	14.0 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	56.3 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	6.23 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.0 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	48.8Ω- 4.11jΩ	
Return Loss	- 27.3dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1.058 ns
Electrical Delay (one direction)	1.000 113

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

NATIONAL PROPERTY OF THE PARTY			
Manufactured by	SPEAG		

Certificate No: J23Z60192 Page 4 of 6





Date: 2023-03-23

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

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DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN: 1094

Communication System: UID 0, CW; Frequency: 2600 MHz

Medium parameters used: f = 2600 MHz; $\sigma = 1.946 \text{ S/m}$; $\varepsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 SN7517; ConvF(7.75, 7.17, 7.36) @ 2600 MHz; Calibrated:
 2023-01-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2023-01-11
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

dy=5mm, dz=5mm

Reference Value = 103.9 V/m; Power Drift = -0.04 dB

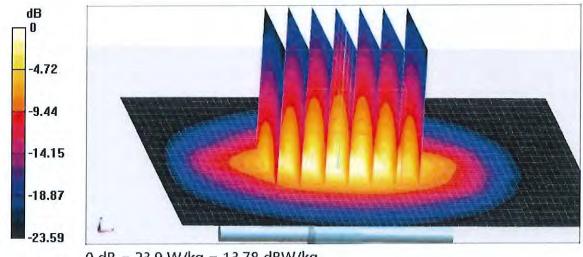
Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 14 W/kg; SAR(10 g) = 6.23 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 47.7%

Maximum value of SAR (measured) = 23.9 W/kg



0 dB = 23.9 W/kg = 13.78 dBW/kg

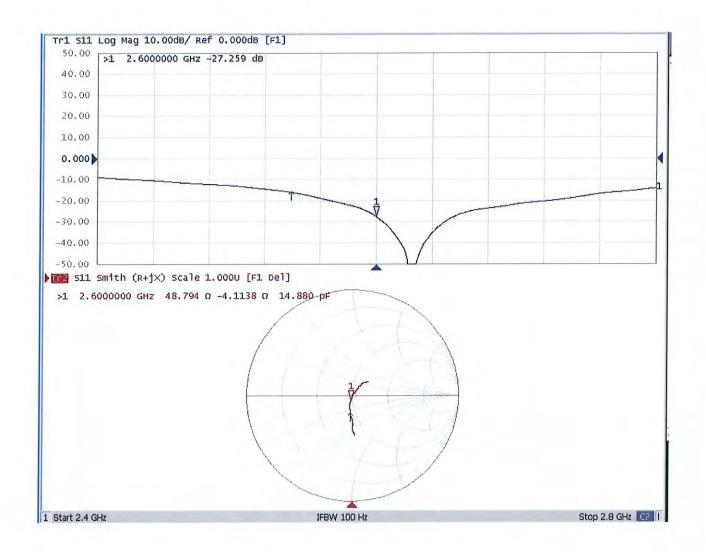




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Impedance Measurement Plot for Head TSL





D2600V2 SN 1094 Extended Dipole Calibrations

Referring to KDB 865664, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary, and the calibration interval can be extended.

Dipole D2600V2 (SN 1094)							
2600MHz Head Liquid							
Date of Measurement	Return Loss(dB)	Δ%	Real Impedance (Ω)	ΔΩ	Imaginary Impedance (Ω)	ΔΩ	
2023-03-23 (Cal. Report)	-27.259	1	48.794	1	-4.1138	1	
2024-03-22 (extended)	-26.6209	-2.34	47	1.794	-4	0.1138	

The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

Dipole Verification Data:



