

June 19, 2023

## Parameters of Probe: EX3DV4 - SN:7309

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>#</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
6500	34.5	6.07	5.42	5.01	5.66	0.20	2.50	±18.6%

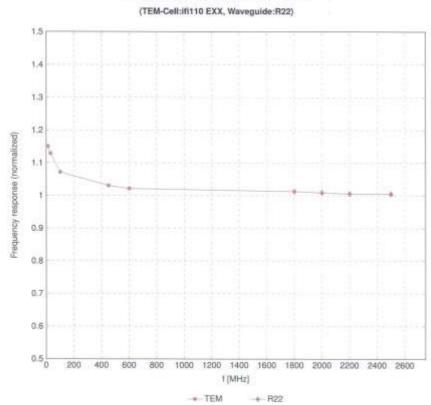
<sup>C</sup> Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
<sup>T</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for *c* and *o* by less than ±10% from the larget values (typically before than ±6%) and are valid for TSL with deviations of up to ±10%.
<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect effer compensation is always less. than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 5–10 GHz at any distance larger than half the probe tip diameter from the boundary.

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# Frequency Response of E-Field

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

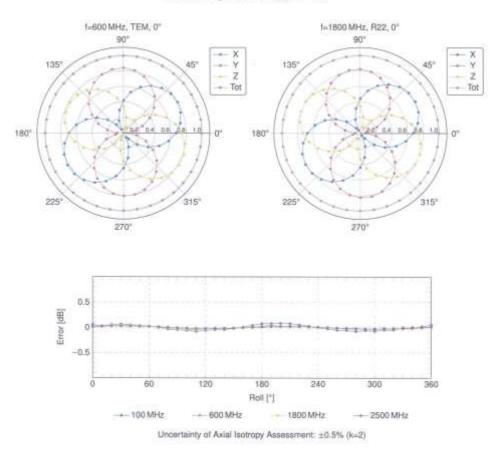
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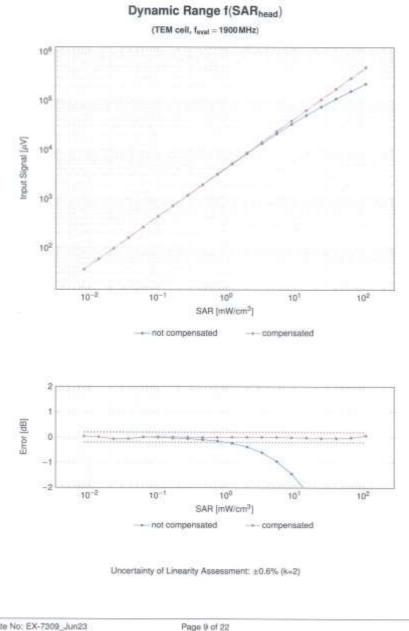
## Receiving Pattern ( $\phi$ ), $\theta = 0^{\circ}$

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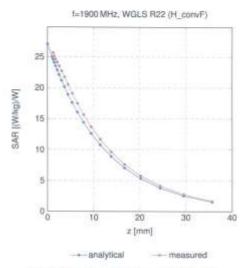


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F-TP22-03 (Rev. 06)



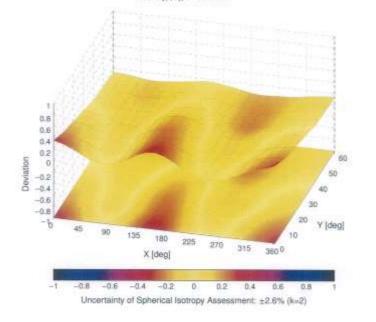
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**Conversion Factor Assessment** 

## Deviation from Isotropy in Liquid

Error ( $\phi$ ,  $\theta$ ), f = 900 MHz



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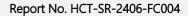
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## Appendix: Modulation Calibration Parameters

	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
0		CW	CW	0.00	±4.7
10010	CA8	5AR Validation (Square, 100ms, 10ms)	Test	10.00	19.6
10011	CAC	UMTS-FDD (WCDMA)	WEDMA	2.91	19.6
0012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	19.6
0013	CAB	IEEE 802,11g WIFI 2.4 GHz (DSSS-OFDM, 6Mbps)	WLAN	9.40	±9.0
10021	DAG	GSM-FDD (TDMA, GMSK)	GSM	9.39	+9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	and the second se	
and the second				9,57	±9.6
10.624	DAC	GPRS FDD (TDMA, GMSK, TN 0-1)	G5M	6.58	£9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	土臣臣
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	19.6
0027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	+9.6
0028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	£9.6.
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7,78	19.6
10030	CAA	IEEE 802 15 1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	#9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GF5K, DH3)	Bluetooth	1.87	19.6
10032	CAA	IEEE 802.15.1 Buetooth (GESK, DHS)	Bluetooth	1.16	±9.6
0.033	CAA	IEEE 802.15.1 Bluetooth (PV4-DOPSK, DH1)	Błuetooth	7.74	19.6
10034	CAA	IEEE 802.15.1 Bluetootb (PV4-DOPSK, DH3)	Bluetooth	4.53	
00036	CAA	EEE 802.15.1 Bluetooth (P14-DOPSK, DH5)			*9.6
00036	CAA		Bluetooth	3.83	±9.6
	1.124 1.1	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802 15.1 Bluetoath (8-DPSK, DH3)	Bluetooth	4.77	计目标
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10:039	CAB	CDMA2000 (1xRTT, RG1)	CDMA2000	4.57	±9.8
10.042	CAB	IS-54 / IS-138 FDD (TDMA/FDM, Pt/4-DOPSK, Halvate)	AMPS	7.78	19.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±8.6
10.048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	+9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Stot, 12)	DECT	10.79	10.6
10056	CAA	UMTS-TOD (TD-SCOMA, 1.28 Moos)	TD-SCDMA	11.01	19.6
10058	DAC	EDGE-FDD (TDMA, BPSK, TN 0-1-2-3)	GSM	8.52	
10059	CAB				±0.6
		IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	29.6
10060	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps)	W.AN	2.83	±9.6
10061	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±阜.ń
10062	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WIFI 5 GHz (CFDM, 9 Mbps)	WLAN	8.63	±8.6
10064	CAD	IEEE 802.11am WIFI 5 GHz (OFOM, 12 Mbps)	WLAN	9.09	+9.6
10065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	19.0
10069	CAD	IEEE 802 11a/h WIFI 5 GH2 (OFDM, 54 Mbps)	WLAN	10.56	19.6
10071	CAB	IEEE 802.11p WiFi 2.4 GHz (DSSS/OFDM, 9 Mboa)	WLAN	9.83	+9.0
	CAB		1110.001		
10072	1.000	IEEE 802.11g WiFi 2.4 GHz (D5SS/OFDM, 12 Mope)	WLAN	8.82	19.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mops)	WLAN	9.94	19.6
10074	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±8.6
10075	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 882.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mops)	WLAN	10,94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mops)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-138 FDD (TDMA/FDM, PV4-DQPSK, Fulrate)	AMPS	4.77	±9.6
10090.	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	19.6
10097	CAC	UMTS-FOD (HSOPA)	WCDMA	3.96	19.6
10098	CAC	UMTE-FDD (HSUPA, Subtest 2)	WCOMA	3.96	19.6
10099	DAC				
		EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	19.6
10100	CAF	LTE-FOD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FOO	5.67	±9,8
10101	CAF	LTE-FDD (SC-FDMA, 100% R8, 20 MHz, 16-QAM)	LTE-FDD	6,42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDO	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, OPSK)	LTE-TOD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOO	9.97	19.0
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 54-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.60	19.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	B.43	19.6
10109			L D D T T U U	- D/9/J	20.0
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, OPSK)	LTE-FDO	5.75	+9.6

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DID	Bev.	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.58	19.6
0113	CAH	LTE-FOD (SC-FDMA, 100% R8, 5MHz, 64-QAM)	LTE-FDD	6.62	±9.6
0114	CAD	IEEE 802.11n (H7 Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	19.6
0115	CAD	TEEE 802, 11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.48	19.6
0118	CAD	IEEE 802,11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	6.15	3.9.6
0117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.67	29.0
0118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-CIAM)	WLAN	8.59	±9.6
0110	CAD	IEEE 802,11n (HT Mixed, 195 Mbps, 64-QAM)	WLAN	-8.13	19.6
0140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 18-QAM)	LTE-FDD	6.49	±9.6
0141	CAF	LTE-FOD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.53	10.6
0142	CAF	LTE FOD (SC-FOMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	28.6
0143	CAF	LTE-FOD (SC-FOMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	+9.6
0144	CAF	LTE-FDD (SC-FDMA, 100% BB, 3 MHz, 64-QAM)	LTE-FDD	6.65	19.6
0145	CAG	LTE-FOD (SC-FOMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.78	19.6
0146	CAG	LTE FDD (SC FDMA, 100% RB, 1.4 MHz, 16-OAM)	LTE-FDD	6.41	10.6
0147	CAG	LTE-FOD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	+9.6
0148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	19.6
0150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	5.60	19.6
0.151	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
0152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 18-GAM)		and the second se	1.000
0154	CAH	LTE-TOD (SC-FDMA, 50% HB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% HB, 20 MHz, 64-QAM)	LTE-TDD	9.92	±9.6
0153	CAH	LTE-1DD (SC-FDMA, 50% HB, 20 MHz, 64-GAM) LTE-FDD (SC-FDMA, 50% HB, 10 MHz, GPSK)	LTE-TDD	10.05	±9.8
0.154	CAH	LTE-FDD (SC-FDMA, 50% HE, 10 MHz, GPSK) LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16 GAM)	LTE-FDD	5.75	±9.6
0158	CAH		LTE-FDD	6.43	±9.6
	and the second second	LTE-FDD (SC-FDMA, 50% RB, SMHz, QPSK)	LTE-FOD	5.79	大0.8
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-GAM)	LTE-FDD	6.49	±9.6
10158	1.1	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
0159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FD0	6.56	±9,0
0160	CAF	LTE FDD (SC FDMA, 50% RE, 15 MHz, QPSK)	LTE-F00	5.82	19.6
0161	CAF	LTE-FDD (SC-FDMA, 50% FB, 15 MHz, 16-GAM)	LTE-FDD	8.43	±0.6
0182	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FUO	6.58	±9,6
10165	CAG	LTE FDD (SC FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDO	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% PB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.0
0168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE FDD	8.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 R8, 20MHz, QPSK)	LTE-FDD	5,73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 18-QAM)	LTE-FDO	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-FDD	6,49	19.6
0172	CAH	LTE-TDD (SC-FDMA, 1 R8, 20MHz, QPSK)	LTE-TDO	8.21	±9,6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-TDO	9.48	±8.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TOO	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-FDO	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-DAM)	LTE-FOO	6.52	±9.6
10177	ICA <sub>6</sub> I	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FOO	5.73	±9.0
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDO	6.52	±9.6
10176.	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6,50	19.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	8.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5.72	±9,8
10,182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FOO	8.52	±8.6
10183	AAE	LTE-FDD (SC-FDMA, 1 R8, 15MHz, 64-GAM)	LTE-FDO	8.50	±9.6
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FDO	5.51	+9.6
10186	AAF.	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-GAM)	LTE-FDD	6.50	±9,0
10187	CAG	LTE-FDD (SC-FDMA, 1 R8, 1.4 MHz, QPSK)	LTE-FOD	5.73	±9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	大臣、日
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	+9.6
0193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mops, 8PSK)	WEAN	8.09	±9.6
0194	CAD	IEEE 802.11n (HT Greenfield: 39 Mbps, 16-QAM)	WLAN	8.12	19.6
0195	CAD	IEEE 802.11n (HT Greentield, 65 Mops, 64-QAM)	WLAN	6.21	+9.6
0196	CAD	IEEE 802.11rl (HT Mosed, 6.5 Mbps, BPSK)	WLAN	B.10	19.6
0197	CAD	IEEE 802.11n (HT Mond, 395/bps, 16-GAM)	WLAN	8.13	19.6
10198	CAD	IEEE 802.11n (HT Missel, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
0219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WEAN	8.03	±9.0
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-CIAM)	WEAN	8.13	19.6
0221	CAD	IEEE 802.51n (HT Moed, 72.2 Mbps, 64-QAM5	WLAN	8.27	19.6
0222	CAD	IEEE 802.11n (HT Movid, 15Mbps, BPSK)	WEAN	8.06	19.6
0.223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
			110011	14 M M	1.45.6

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UID	Ber	Communication System Name	Group	PAR (dB)	UncE k =
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	19.6
10226	CAC	LTE-TDD ISC-FDMA, 1 RB, 1.4 MHz, 16-QAMI	LTE-TDD	0.40	±9.6
0227	CAC	LTE-TDD ISC-FDMA, 1 RB, 1.4 MHz, 64-QAMI	L'TE-TDO	10.26	±9.6
0228	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, OPSK)	LTE-TOO	9.22	19.6
0229	CAE	LTE-TOD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDO	9.48	±9.6
0230	CAE	LTE-TOD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-TOD	10.25	19.6
0231	CAE	LTE-TDD (SC-FDMA, 1 FIB, 3 MHz, QPSK)	LTE-TOD	9.19	±9.6
0232	CAH	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 16-GAM)	LTE-TOD	9.48	
0233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)			±9.6
10234	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 0P-2404)	LTE-TOD	10.25	±8.6
0235	CAH	LTE-TOD (SC-FDMA, 1 AB, 10MHz, 16-OAM)	LTE-TDD	8.21	±9.6
10236	CAH		LTE-TOO	9.45	19.6
	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237		LTE-TOD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-TDD	0.21	±9.6
10238	CAG	LTE TOD (SC FDMA, 1 RB, 15MH), 16-QAM)	LTE-TOD	0.48	±9.6
10239	CAG	LTE-TDO (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TOD	10.25	19.6
10240	CAG	LTE-TOD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	+9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 18-QAM)	LTE-TDD	9.82	±9.6
10242	CAO.	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TOD	B.86	29.6
10243	CAC	LTE-TOD (SC-FOMA, 60% RB, 1.4 MHz, QPSK)	LTE-TDD	5.46	±9.6
10244	CAE	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TOD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-TDD	10.08	£9.8
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOD	9.30	±9.6
10247	CAH	LTE-TDD ISC-FOMA, SIN, RB, 5MHz, 16-GAM)	LTE-TOD	0.91	±8.6
10248	CAH	LTE-TOD (SC-FOMA, S0% RB, SMHz, 64-QAM)	LTE-TDD	10.09	10.8
10248	CAH	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	+9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	0.81	+9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	49.6
10252	CAH	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, GPSK)	LTE-TOD	8.24	+9.6
10253	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TOD	9.90	
10254	CAG	LTE-TOD (SC-FOMA, 50% RB, 15MHz, 64-QAM)			±8.6
10255	CAG		LTE-TOD	70.14	±9,5
		LTE-TOD (SC-FDMA, 50% RE, 15MHz, QPSK)	LTE-TOD	9.20	±9.6
10.256	CAC	LTE-TDD (SC-FOMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.5
10:257	CAC	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, 64-QAM)	LTE TOD	10.08	±8.6
10258	CAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOD	9.34	出身,后
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TOD	9.98	+9.6
10.260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TOD	9.97	39.6
10261	CAE	LTE-TOD (SC-PDMA, 100% RB, 3 MHz, GPSK)	LTE-TOD	9.24	28.8
10.565	CAH	LTE-TOD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	08.9	::0.5
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TOD	10.16	±8.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, GPSK)	LTE-TDD	9.23	±9.8
10.265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TOD	8.92	+9.6
10266	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±8.6
10267	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, OPSK)	LTE-TOD	9.30	+9.6
10:268	CAG	LTE-TOD (SC-FDMA, 100% R8, 15MRz, 16-QAM)	LTE-TDD	10.06	+9.5
10268	CAG	LTE-TOD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	29.6
10270	CAG	LTE-TOD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TDD	9.58	10.0
10274	CAC	UMTS-FDD (HSUPA, Subtent 6, 3GPP Rol8 10)	WCDMA	4.87	19.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8,4)	WCDMA		
10277	CAA	PHS (QPSK)		3,96	+9.6
10278	CAA		PHS	11,81	±9.6
	CAA	PHS (OPSK, BW 884 MHz, Rolatt G.5)	PHS	11.81	±9.6
10279		PHS (QPSK, BW 884 MHz, Rokofi 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SQ55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2008	3,48	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	COMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10.295	AAB	CDMA2000, RC1, SO3, 1/8h Rate 25 tr.	CDMA2000	12.49	±9.8
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20MH/r, QPSK)	LTE-FDD	5,81	±9.6
10298	AAE	LTE-FOO (SC-FOMA, 50% RB, 3 MHz, GPSK)	LTE-FDD	B.72	29.8
10299	AAE	LTE-FOD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	+9.6
10300	AAE	LTE-FOD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	+9.6
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC)	WMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WIMAX (29.18, 5ms, 10 MHz, OPSK, PUSC, 3 CTRL symbols)	WMAX	12.57	±9.8
10003	AAA	IEEE 802.16a WIMAX (31.15, 5 ms, 10 MHz, 64 QAM, PUSC)	WMAX	12.52	+9.6
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, 64QAM, PUSC)	WEAX	12.02	
10305	AAA	IEEE 802 16e WIMAX (31:15, 10ms, 10 MHz, 54QAM, PUSC, 15 ayribols)	WIMAX	15.24	:9.6
- monthing .	Courses.	IEEE 802 16e WIMAX (2018, 10ms, 10 MHz, 942AW, PLISC, 15 symbols)	PERION.	15.24	10.6

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aiu	Rev.	Communication System Name	Group	PAR (dB)	Uno <sup>E</sup> k =
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10 MHz, GPSK, PUSC, 18 symbols)	WIMAX	14.49	+8.6
0308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 160AM, PUSC)	WMAX	14.48	±9.6
10309	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WEMAX	14.58	10.6
0310	AAA	IEIEE 802,16e WIMAX (29:18, 10 ms, 10 MHz, GPSK, AMC 2x3, 18 symbols)	WMAX	14.67	19.6
0311	AAE	LTE-FOD (SC-FOMA, 100% RB, 15MHz, QPSR)	LTE-FDD	5.06	±9.6
0313	AAA	DEN 13	IDEN	10.51	
0314	AAA	IDEN 1.6	IDEN	all a local and a	59.8
0315	AAB			13.40	±9.6
0318	AAB	IEEE 862.11b WFI 2.4 GHz (DSSS. 1 Mbps, 96pc duty cycle)	WEAN	1,71	±9.6
03/0	AAD	IEEE 802 11g WFI 2.4 GHz (ERP-OFDM, 8 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
	10000	IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	6.36	±9.6
0352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.5
0363	AAA	Pulse Wavalorm (200Hz, 20%)	Ganerio	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
0365	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
0356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±8.6
0387	AAA	QPSK Waveform, TMHz	Generic	5.10	±9.6
0388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	19.6
0396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	3.9.6
0.399	AAA	64-QAM Wayoform, 45 MHz	Generic	6.27	10.6
0400	AAE	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 98pc duty cycle)	WLAN	8.37	29.5
0401	AAE	IEEE 802.11 ac WiFi (40 MHz, 64-QAM, 98pc duty cycle)	WLAN	8.60	±9.6
0.402	AAE	IEEE 802.11ac WFI (S0 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.0
0.400	AAB	CDMA2000 (1xEV-DD, Rev. 0)	CDMA2000	3.78	#11.6
0.404		CDMA2000 (1xEV-DD, Rev. A)	CDMA2000	3.77	28.6
0406	2 . C. T	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	
0410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UI, Subhame-2,3,4,7,8,9, Subhame Cont-4)	LTE-TDD		29,6
0414	AAA	WLAN CCDF, 64-QAM, 40MHz	and the second property of the	7.82	±9.6
0415			Generic	8.54	8,8,6
the state of the	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	土9.6
0416	AAA	IEEE 802.11g WIR 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	<b>点兒.日</b>
0417	AAC	IEEE 802.11a/H WFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0.418	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, II Mops. 99pc duty cycle, Long preumbule)	WLAN	8.14	±9.6
0418	AAA.	IEEE 802.11g WIF 2.4 GHz (DSSS-OFDM, 8 Mbps, (9pc duty cycle, Short preambule)	WLAN	8.19	±0.8
0.422	AAC	IEEE 002.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.92	:0.6
10.423		IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	B.47	±9.8
10424		IEEE 802.11n (HT Greenfeld, 72.2 Mbps, 84-QAM)	WLAN	B.40	±9.8
10:425	AAC	IEEE 002.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8,41	±9.6
10.426	AAC	IEEE 802.11n (HT Greenfield, 90 Mops, 18-QAM)	WLAN	B.45	±9.0
10.427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 84-QAM)	WLAN	8.41	19.6
10.430	AAE	LTE-FDD (OFOMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.5
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FOD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFOMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
0434	AAB	W-CDMA (BS Test Model 1, 54 OPCH)	WCDMA	8.60	±9.6
0435	ANG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK, UL Subframe=2.3.4,7,6.9)	LTE-TOD	7.82	+9.6
10447	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Olipping 44%)	LTE-FDD	7.56	19.6
0.448	AAE	LTE-FDD (OFOMA, 10 MHz, E-TM 3.1, Clipple 44%)	LTE-FDD	7.53	
10.449	AAD	LTE-FDD (CFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	and the second se	7.51	:+9,6
0.450	AAD		LTE-FDD		±9.6
0450	AAB	LTE-FOD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7.45	±8.6
0451	AAE		WCDMA	7.58	+9.6
		Validation (Square, 10ms, 1ms)	Test	10.00	±9.6
0.458	AAC.	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9,8
0.457		UMTS-F0D (DC-HSDPA)	WCDMA.	6.62	±9.6
0.458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.8
0.458	AAA	CDMA2000 (1xEV-DD, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
0460	AA9	(MTS-FDD (WCDMA, AMR)	WCDMA.	2.39	±9.6
0461	AAC.	LTE-TDD (SC-FDMA, 1 RB, 1.4 MH/, QPSK, UI, Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.462	AAC	LTE-T00 (SC-F0MA, 1 R8, 1.4 MRz, 16-QAM, UL Subkama-2.3, 4, 7, 8.9)	LTE-TDD	B.30	±0.8
0.463	AAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subhame-2,3,4,7,8,9)	LTE-TDD	8.56	28.6
0464	AAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, OPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.465	AAD	LTE-TOD (SC-FDMA, 1 RB, 3MHz, 16-DAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.6
0.466	AAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.67	19.6
11467	AAG	LTE-TOD (SC-FOMA, 1 RB, 5MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	19.6
0.468	AAG	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.32	
0.469	AAG	LTE-TOD (SC-FOMA, 1 R8, 5MHz, 64-QAM, UL Subtrame-2,3,4,7,8,9)			±9.5
0.470	AAG		LTE-TDD	8.56	19.6
_	-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, CPSK, UK, Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	49.6
0.471	AAG.	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 18-GAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.32	±9.6

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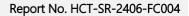


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CIU	Rev	Communication System Name	Group	PAR (dB)	UngE R +
0472	AAG	LTE-TDD (SC-FDMA, 1 R8, 10 MHz, 64-GAM, UL Subhame=2,3,4,7,8.9)	LTE-TOD	8.57	±9.6
0.473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOD	7.82	10.6
10.474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 18-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.32	19.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 84-GAM, UL Subharra=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
0477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 15-GMM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.32	19.6
0478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.57	+8.6
0479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subhame=2.3,4,7,8,9)	LTE-TDD	7.74	±9.6
0.480	AAC	LTE-TDD (SC-FDMA, 50% RE, 1, 4 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TOD		
0481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe+2.3,4,7,8,9)	LTE-TDD	8.18	±0.6
0482	AAD	LTE-TOD (SC-FDMA, 50% RB, 3MHz, OPSK, UL Subtrame=2.3.4,7.8.9)	LTE-TOD	7.71	±9.6
0.480	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM, UL Subtrame=2,3,4,7,6,9)	LTE-TOD		±9,6
0.484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-DAM, UL Subtramev2,3,4,7,8,9)		8.39	+9.6
0485	AAG	LTE-TDD (SC-FDMA, 50% RB, SMHz, 64 GMA, UL Subframew2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, SMHz, OPSK, UL Subframew2,3,4,7,8,9)	LTE-TDD	B 47	±9.6
0486	AAG		LTE-TOD	7.59	±9.6
and in such that	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM, UL Subframe+2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
0487		LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Subhame+2,3,4,7,8,9)	LTE-TDO	8.60	大臣,臣
0488	AAS.	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDO	7.70	+9.E
0.489	AAG	LTE-TDD (SC-FDMA, 50% R8, 10 MHz, 16-CAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.31	±9.6
6490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sublame-2,3,4,7,8,9)	LTE TOD	8.54	±9.0
0491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, OPSK, UL Subframe-(2,3,4,7,8,9)	LTE-TDO	7.74	±9.6
0482	AAF	LTE-TDD (SC-FDMA, 50% R8, 15 MHz, 16-OAM, UL Subhame+2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
0483	AAF	LTE-TDD (SC-FDMA, 50% R8, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE TOO	8.55	±9.6
0494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDO	7.74	±9.6
0495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
0496	AAB.	LTE-TDD (SC-FDMA, 50% R8, 20 MHz, 64-GAM, UL Sobhame=2,3,4,7,8,9)	LTE-TOO	8.54	+9.6
0497	AAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UI, Subhame-2.3,4,7,8,9)	LTE-TOO	7.67	±9.6
0498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.40	+9.8
0499	AAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDO	8,68	±9.6
0500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe-2,3.4,7.8.9)	LTE-TOO	7.87	10.6
0501	AAD	LTE-TOD (SC-FDMA, 100% PB, 3MHz, 16-OAM, UL Subframe=2,3,4,7,8,9)	LTE-TOO	0.44	10.6
0502	AAD	LTE-TDD (SC-FDMA, 100% R8, 3MHz, 84-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.52	19.6
0503	AAG	LTE-TDD (SC-FDMA, 100% R8, SMHz, OPSK, UL Subtame=2,3,4,7,8,9)	LTE-TDD	7.72	±9.0 ±9.8
0504	AAG	LYE-TOD ISC-FDMA, 100% RB, 5MHz, 16-DAM, UL, Subframe-2,3,4,7,8,9	LTE-TOO		and the second se
0505	AAO	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subhamev2,3,4,7,8,9)	LTE-TDO	B.31 0.54	±9.6
0506	AAB	LTE-TOD (SC-FDMA, 100% RB, 10MHz, GPSK, UL Subrame+2.3.4.7.6.9)	LTE-TDO	7.74	±9.6
0500	AAG	LTE-TOD (SC-FDMA, 100% RB, 10MHz, GFSK, 0L Subhame=2,3,4,7,8,9)			19.6
0508	AAG	LTE-TDD (SC-FDMA, 100% FB, 10MHz, 64-QAM, UL Subtrame=2,3,4,7,6,9)	LTE-TOD	8.35	+9.6
0509	AAF		LTE-TDD	8,55	±9.6
0510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subhame-2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
	AAF	LTE-TOD (SC-FDMA, 100% RB, 15MHz, 18-GAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
0511	1.	LTE-TOD (SC-FDMA, 100% PB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.51	±9.0
0512	AAG	LTE-TOD (SC-FDMA, 100% R8, 20MHz, OPSK, UL Subhame=2,3,4,7,8,9)	LTE-TDD	7,74	±9.8
0513	AAG	LTE-TDD (SC-FDMA, 100% R8, 20MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8,42	±9.6
0514	AAG	LTE-TOD (SC-FOMA, 100% AB, 20MHz, 64-OAM, UL Subtrame+2,3,4,7,8,9)	LTE-TOD	8.45	±9.6
0615	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0516	AAA	IEEE 802.1 to WIFI 2.4 GHz (DSSS, 5.5 Mops, 90pc duty cycle)	WLAN	1.57	±9.6
0517	AAA	IEEE 002.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
D218	AAC	IEEE 802.11wh WFI 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	#.29	±9.8
0518	AAC	IEEE 802.11a/h WIFI SGHz (OFDM, 12 Mbps, 98pc duty cycle)	WLAN	8.39	29.6
0520	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
0521	AAG	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 98pc duty cycle)	WLAN	7.97	±9.6
0622	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 98pc duty cycle)	WLAN	8.45	19.8
0523	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WEAN	8.08	±9.6
0524	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	6.27	±9.6
0525	AAC	IEIEE 802.11ac WiFi (20 MHz, MOS0, 99pc duty cycle)	WLAN	8.36	±9.0
0528	AAC	IEEE 602.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
0527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
0528	AAC	IEEE 802.11ac WFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	19.6
0529	AAC	IEEE 802.11ac WFr (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
0531	AAC	IEEE 802.11ac WFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	6.43	19.0
0532	AAC	IEEE 802.11ac WFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0533	AAC	IEEE 802.11ac WF (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	19.6
0534	AAC	IEEE 802.11ac WFI (40 MHz, MC30, 99pc duty cycle)	WLAN	8.38	
0535	AAD	IEEE 802.11ac WFI (40 MHz, MCS1, 99pc duty cycle)	WLAN	100 C	19.6
0536	AAC	IEEE 802.11ac WIF (40 MHz, MCS1, Stipc duty cycle) IEEE 802.11ac WIF (40 MHz, MCS2, 99pc duty cycle)	12275075	8.45	±9.8
	AAC		WLAN	8.32	±9.6
0537		IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
0538	AAC	IEEE 802.11ad WIFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.54	±0.6
0540	AAC.	IEEE 802.11ac WIFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	19.6

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UND	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
10541	AAC	IEEE 802.11ac WFI (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	29.6
0542	AAC.	IEEE 802 11 ac WFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±8.6
0.543	AAC	IEEE 802.11 no WIFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	19.6
0544	AAC	IEEE 802.11ao WFI (80 MHz: MCS0, 99pc duty cycle)	WLAN	8.47	+9.6
0545	MAC	IEEE 802.11ac WFI (80 MHz, MCS1, 98pc duty cycle)	WLAN	8.55	±9.6
0546	AAC	IEEE 802.11ac WFI (80 MHz, MCS2, 99pc duty cycle)	WLAN		
0.547	AAC	IEEE 802 11ac WF1 (80 MHz, MCS3, 99pc duty cycle)		8.35	#9.6
0548	AAC	IEEE 802.11 to WF1 (80 MHz, MCS4, 99pc duty cycle)	WLAN	8,49	49.6
0550	AAC		WLAN	6.37	8.9.6
	the state of the state of the	IEEE 802.11ao WFI (80 MHz, MCS8, 99pc duly cycle)	WLAN	8.38	±9.6
0551	AAC	IEEE 802.11ac WFI (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	3.8.6
0552	AAG	IEEE 802.11ac WIFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8,42	39.6
0553	AAC.	IEEE 802.11ao WIFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	19.6
0554	AAD	IEEE 802.11ac WFI (160 MHz, MCS0, 99pc duty cycle)	WLAN	- 8,4E	±9,6
0555	AAD	IEEE 802.11ac WFI (160 MHz, MCS1, 59pc duty cycle)	WLAN	8,47	±9.0
0556	AAG	IEEE 802.11ac WFi (160 MHz, MCS2, 98pc duty cycle)	WLAN	8.50	大臣,自
0557	AAD	IEEE 802.11ac WIFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	+9.6
0558	AAD	IEEE 802.11ac WIFI (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
0680	AAD	IEEE 802,11ac WIFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	6.73	±9.0
058t	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
0562	0AA	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
0563	AAD	(EEE 802.11sc WF) (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±0.6
0564	AAA	IEEE 802 11g WFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	19.6
0565	AAA	IEEE 802.11g WIFI 2.4 GHz (DS5S-OFDM, 12 Mops, 99pc duty cycle)	WLAN	8.45	+9.6
0566	AAA	IEEE 802.11g WIFI Z.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	19.8
0567	AAA	EFE 802.11g WFI 2.4 GHz (DSSS-OFDM, 24 Mops, 99pc duty cycle)	WLAN	8.00	±9.6
10.568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mops, 99pc duty cycle)	WLAN	B.37	19.6
10.069	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	19.6
10.570	AAA	IEEE 002.11g WiF 2.4 GHz (DSSS-OFDM, 46 Moss, wpc duty cycle)	WLAN	8.30	19.0
10571	AAA		the second se		
		IEEE 802 11b WiFi 2.4 GHz (DSSS, 1 Mops, 90pc duty cycle)	WLAN	1,99	:9.6
10572	AAA	IEEE 802 11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WEAN	1.99	±9.6
10573	AAA	IEEE 802 11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WEAN	1.98	±9.6
10,574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 00pc duty cycle)	WLAN	1,98	±9.8
10575	AAA.	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	0.50	±9.6
10:576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9Mbps, 90pc duty cycle)	WLAN	8.60	±9.8
10577	A,A,A	IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8,70	±9.6
10578	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8,49	±9.6
105/9	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802 11g WiFi 2.4 CHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±8.6
10582	AAA .	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	59.8
10583	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAC	IEEE 802.11m/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±8.5
10585	AAC	IEEE 882.11 wh WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	29.8
10586	AAC	IEEE 802.11a/h WIFI 5 GHz (OFOM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.5
10587	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.34	+8.6
10588	AAC.	IEEE 802.11a/h WIFI 5 GHz (OFDM, 35 Mbps, 90oc duty cycle)	WLAN	8.76	49.6
10588	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 54 Mbps, 60pc duty cycle)	WLAN	8.67	19.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN		
10582	AAC	IEEE 802.11n (HT Mixed, 20 MHz, WCS1, 90pc duty cycle)	WLAN	8.63	19,6
10583	AAC	IEEE 802.11n (HT Mixed, 20 MHz, WCS1, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN		±9.6
and the second second				8.64	±9,6
10594	AAC	IEEE 802.11n (HT Mixed, 28 MHz, MCB3, 90pc duty cycle)	WLAN	6.74	±9.0
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 602.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	· 抱.71	+9,6
0587	AAC	IEEE 862.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.8
0588	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	+9.6
10600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	土9.8
10601	AAG	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN .	8.82	±9.8
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9,6
10603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WI,AN	9.03	±9.6
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.78	±9.8
10605	AAG	IEEE 802.11n (HT Mked, 40 MHz; MCS8, 90pc duty cycle)	WLAN	8.97	±9.8
10606	AAC	IEEE 802.11n (HT Mixed: 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	+9.6
10607	AAC	IEEE 802.11ac WIFI (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9/0
	AAE	IEEE 802.11ac WFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9/0

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UID	Rev.	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
0609	AAC	IEEE 802.11ac WIFI (20 MHz, MOS2, 90pc duty cycle)	WLAN	8.67	±9.6
0610	AAC	IEEE 802.11ac WIFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.8
0611	AAC	IEEE 802,11ac WiFi (20MHz, MCS4, 90cc duty cycle)	WLAN	8.70	+9.6
1612	AAC	IEEE 802 11ac WIFI (20 MHz, MC85, 90pc duty cycle)	WLAN	8.77	±9.6
1613	AAC	IEEE 802 11ac WIFI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	+9.6
1614	AAC	IEEE 802.11ac WIFI (20 MHz, MCS7, 80pc duty cycle)	WLAN	8.59	±9.6
1615	AAC	IEEE 802 11ac WIFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
9616	AAC	IEEE 802 11ec WiFi (40 MHz, MCSO, 90pc duty cycle)	WLAN	8.82	+9.6
>617	AAC	IEEE 802 11ac WIFI (40 MHz, MCS1, 80pc duty cycle)	WLAN	8.81	+9.6
0618	AAC	IEEE 802.11ac WFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
0619	AAC	IEEE 802.11ac WFI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.88	19.6
0620	AAC	IEEE 802.11ac WFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	+9.6
0621	AAC	IEEE 802.11ac WIFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.5
0622	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	+9.0
0623	AAC	IEEE 602.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
	and the second second	IEEE 802.11ac WFF (40 MHz, MCSR, 90pc duty cycle)	WLAN	8.96	±9.6
0624	AAC		WLAN	8.96	+9.6
0.625	AAC	IEEE 802.11ac WFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.83	±9.6
0.628	ANC	EEE 802.11 ac WIFI (80 MHz, MCS0, 90pc duty cycle)	WEAN	8.88	±9.6
0627	AAC	IEEE 802.11ac WFi (80 MHz, MCS1, 90pc duty cycle)	WEAN	8.66	±9.0 ±9.6
0828	AAC	IEEE 802.11ac WIFI (80 MHz, MCS2, 90pc duty cycle)			±9.6 ±9.8
0629	AAC	IEEE 802 11ac WFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	
0630	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WIFI (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WIFs (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.74	±9.0
10633	AAC	IEEE 802,11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	<u>主祭.</u> 日
10634	AAC	IEEE 802.11se WiFi (80 MHz, MC58, 90pc duty cycle)	WLAN	8.60	±9.6
10635	AAG	IEEE 802.11ac WIFI (BOMHz, MCS9, 90pc duty cycle)	WLAN	8.8!	±9.6
10636	AAD	IEEE 802.11ac WIFI (160 MHz, MCS0, 90pc duty cycle)	WLAN	680	±9.6
10637	AAD	IEEE 802.11 ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±5.8
10638	AAD.	IEEE 802.11ab WIFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.8
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10540	AAD	IEEE 802.11ec WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10841	AAD	IEEE 802.11ao WIFI (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.05	19.8
10642	AAD	IEEE 802,11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.0
10643	AAD.	IEEE 802.11ac WFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	6.69	±9.6
10644	AAD	IEEE 802,11ac WIFI (160 MHz; MCS8, 90pc duty cycle)	WLAN	9.05	19.6
10645	AAD	IEEE 802.11ac WIFI (160 MHz, MCS9, 90pc duty cycle)	WLAN	9,11	±8.0
10646	AAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, QPSK, UI, Bubliamev2,7)	LTE-TDD	11.96	主9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe-2,7)	LTE-TDD	11.96	:::::::::::::::::::::::::::::::::::::::
10648	AAA	COMA2000 (1x Advanced)	CDMA2000	3.45	土田.也
10652	AAF	LTE-TDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.8
10653	AAF	LTE-TOD (DFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10854	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.96	±9.0
10655	and the second second	LTE-TDD (OFOMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.21	±9.6
10658		Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	and the second second	Pulse Waveform (200Hz, 20%)	Test	fi.99	±8.6
10660	A state of the state of the	Pulse Waveform (200Hz, 40%)	Test	3.98	1.0.6
10661		Pulse Waveform (200Hz, 60%)	Teol	2.22	19.8
10662		Pulse Waveform (200Hz, 80%)	Test	0.97	±9.0
10670	in the second second	Buetooth Low Energy	Bluetooth	2.19	1.9.6
10671		IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	19.6
10672		IEEE 802.11ax (20 MHz, MCS1, Bapc duty cycle)	WLAN	8.57	:9.6
10672		IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	5.70	+9.0
10674		IEEE 802.11 ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.4
10675		IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.8
10676	and the second second	IEEE 802.11 ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	-8.77	±9.0
10676		IEEE 802.11 IIX (20 MHz, MCS6, 90pc duty cycle) IEEE 802.11 IIX (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	19.6
10678	A. J. S. S. S. S.	IEEE 602 11ax (20 MHz, MCS6, 60pc duty cycle) IEEE 802 11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	19.6
	A statements	IEEE 802 11th (20 MHz, MCSr, Sope duty cycle) IEEE 802 11th (20 MHz, MCSR, 90pc duty cycle)	WLAN	8.89	±9.1
10679			WLAN	8.89	±0.0
10680		IEEE 802.11 ax (20 MHz, MCS9, 90pc duty cycle)			
10.881	and the second second	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	19.6
10.682		IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.0
10683			WLAN	8.42	±0,1
10664			WLAN	8.26	±9.6
10685			WLAN	B-33	19,6
10686	AAC 1	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	6.28	±9,4

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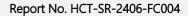


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UID	Bev	Communication System Name	Group	PAR (dB)	UncE k = 3
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	+9.6
88301	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
0689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	+9.6
0690	AAC	IEEE 802 11ax (20 MHz, MCS7, 99pc duty cycla)	WLAN	8.29	±9.6
0681	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	+9.8
0692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
0693	AAC		WLAN	8.25	+9.5
		IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)			
0694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9,6
0695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WEAN	8.7B	±9.6
0696	AAG	IEEE 802.11 ax (40 MHz, MCG1, 90pc duty cycle)	WLAN	0.91	±9.0
0.697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.8
0.696	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
0.699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	0.82	±9.8
0700	AAC	IEEE 802.11 gx (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.75	主原并
10701	AAC	IEEE 802.11 ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.86	19.6
0702	AAG	IEEE 802.11ax (40 MHz, MCS7, 90pi: duty cycle)	WLAN	8.70	±9.6
0703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+9.6
10764	AAG	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
0705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
0706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.86	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	+9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±8.6
10711	AAC	IEEE 802 11 ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	:9.6
10712	AAC	IEEE 802 11 ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	+9.6
10712	AAC AAC		WLAN	8.33	+9.6
		IEEE 882 (1ax (40 MHz, MCS6, 99pc duty cycle)	WLAN		
10714	AAC .	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.28	±9.6
10715	AAG	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	TTATUT		
10715	AAG	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	· 8.48	19.8
10718	AAC	IEEE 802.11ax (40MHz, MGS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.0
10720	AAC	IEEE 802,11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	19.6
10.721	AAG	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8,76	+8.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 80pc duty cycle)	WLAN	8,70	£9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.8
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 96pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11 ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11 ex (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 902.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.8
10729	AAC	IEEE 802 11 ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.0
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	+9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	+9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS), 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	B,40	19.6
10733	AAD		WLAN	8,40	29.0
		IEEE 802.11 ax (80 MHz, MCS3, 99pc duty cycle)	WLAN		
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	7746.07	6,33	±9.0
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	19.6
10737	AAC	IEEE 882.11ax (80MHz, MC56, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (50 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 98pc duty cycle)	WLAN	8.29	10.6
10740	AAC	IEEE 802 11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	H.48	±9.6
10741	AAC	IEIEE 802.11ax (80 MHz, MCIS10, 99pc duty cycle)	WLAN	目, 40.	±9.0
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.43	19.6
10743	AAC	IEEE 802.11ax (150 MHz, MCS0, 90pc duty cycle)	WEAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	0,16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	19.6
10747	AAC	IEEE 802.11ax (160 MHz. MCS4, 90pc duty cycle)	WLAN	9.04	+9.6
10748	AAC	IEEE 802.11ax (180 MHz, MCS5, 90pc duty cycle)	WLAN	6.90	±9.0
10749		IEEE 802.11ax (160 MHz, MC56, 90pc duty cycle)	WLAN	6.90	29.6
	AAC	IEEE 802.11ax (180 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	20.0
10700				the second se	
10750	AAC	IEEE 802.11ax (190 MHz, MCS8. 90pc duty cycle)	WLAN	8.82	±9.4

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> A =
0753	DAA.	IEEE 802.11ax (160 MHz, MC510, 90pc duty cycle)	WLAN	9.00	±0.6
0754	AAG	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	49.6
0.755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	B.64	19.6
0756	AAC	IEEE 802.11ax (160 MHz, MC51, 99pc duty cycle)	WLAN	16.77	:9.6
0757	AAC	IEEE 802.11ax (160 MHz, MC52, 99pc duty cycle)	WLAN	0.77	10.0
0758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	B.69	+9.6
0759	AAC	IEEE 802 11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	+9.6
0760	AAC	IEEE 802.11ax (160 MHz, MCSS, 99pc duty cycle)	WLAN	8.49	±9.6
0761	AAC	IEEE 802.11ax (180 MHz, MCS8, 99pc duty cycle)	WLAN	8.58	e0.8
0762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	19.6
0763	AAC	IEEE 802.11ax (160 MHz, MC58, 99pc duty cycle)	WLAN	8.53	+9.0
0764	AAC	IEEE 802.11 av (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.54	±9.6
0765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	10.6
0766	AAC	EEE 802.11ax (180 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	19.6
0767	AAE	SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	7.99	
	101071				±9.6
0768	AAD	50 NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±9,6
0769	AAD.	5G NR (OP-OFDM, 1 RB, 15MHz, OPSK, 15kHz)	5G NR FR1 TDD	8.01	±9.6
0770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 HHz)	9G NR FRT TDD	8.02	±8.6
0771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.0
0772	AAD	5G NB (CP-OFDM, 1 RB, 30 MHz, OPSK, 15 kHz)	55 NR FR1 TDD	8.23	±9.6
0773	AAD.	5G NR (CP-OFDM, 1 RB, 40 MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8.03	+9.6
0774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
0775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
0776	AAD	SG NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	B.30	±8.6
0777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, GPSK, 15 kHz)	5G NA FAT TOD	8,30	±9.6
0778	AAD	53 NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.34	±9.6
0779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,42	19.6
0780	AAD	5G NR (CP-OFDM, 50% RB, 38 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
0781	AAD	53 NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
0782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8,43	±9.6
0763	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
0.784	AAD	5G NR (CP-OFDM, 100% R8, 10 MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8.20	±9.6
0785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.40	19.6
0766	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, CPSK, 15kHz)	SG NR FR1 TDO	6.35	+9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FRITTOD	8.44	+9.6
0788	AAD	56 NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)	50 NR FR1 TOD	8.30	39.6
10789	AAD	5G NR (CP-OFDM, 100% R8, 40 MHz, CPSK, 15kHz)	5G NR FR1 TDD	8.37	13.8
10790	AAD	5G NR (CP-OFDM, 100% R8, 50 MHz, CPSK, 15kHz)	5G NR FR1 TDO	6.39	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	7.83	49.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	59 NR FR1 TDD	7.92	±9.8
10793	AAD	SG NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TOD	7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, CPSK, 30 kHz)	53 NR FR1 TDD	7.82	49.8
10795	AAD	SG NR (CP-OFDM, 1 RB, 25 MHz, GPSK, 30 kHz)	50 NR FR1 T00	7.84	29.0
	AAD		SG NR FR1 TDD		
10796		5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)		7.62	±9.8
16797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	53 NR FR1 TDD	8.01	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9,8
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9,6
10801	AAD	5G NR (CP-OFDM, 1 RB, 89 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9/8
10.802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.8
0803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	7.93	±9.6
10805	AAD	53 NR (CP-OFDM, 50% RB, 10 MHz; QP6K, 30 kHz)	SG NR FR1 TDD	8.34	±9.6
0806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	8.37	19.6
0009	AAD	5G NR (OP-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)	SG NR FR1 TDD	8.35	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	8.35	±9.6
10818	AAB	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.34	±9.0
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, CPSK, 30 kHz)	SG NR FR1 TDD	8.33	19.6
10820	AAD	5G NR (CP-OFOM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8,30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 38 kHz)	56 NR FR1 TDD	8.41	19.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 MHz)	SG NR FR1 TDD	8.36	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	SG NR FR1 TOD	8.39	+9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.41	±9.6
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 MHz)	SG/NR/FRI TDD	8.42	10.6
	1.0000	5G NR (CP-OFDM, 100% RB, 90 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	8.43	19.6

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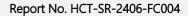


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UID	Rev	Communication System Name	Group	PAR (dB)	Uno <sup>E</sup> k = 2
0.829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, GPSK, 30 kHz)	5G NR FR1 100	8.40	±9.6
0.630	GAA	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	19.6
0.831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	+9.6
0832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.74	±9.8
0.833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.70	+9.6
0834	AAD	5G NR (CP-OFDM, 1 RE 30 MHz, QPSK, 60 kHz)	50 NR FR1 TDD	7.75	+8.6
0835	AAD	53 NR (CP-OFDM, 1 RB, 40 MHz, CPSK, 60 kHz)	5G NR FR1 TDD	7.70	+9.6
		53 NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.66	19.6
9696	-AAD	CONSISTENT IN STREET, AND INTERNEE, AND IN	50 NR FR1 TDD	7.68	+9.6
0837	AAD	SG NR (CP-OFDM, 1 RB, 60 MHz, OPSK, 80 kHz)	SG NR FRI TDD	7.00	±9.0
0839	AAD	5G NR (CP-OFOM, 1 RB, SOMH2, QPSK, BOKH2)	5G NR FR1 TD0		
0840	AAD	5G NR (CP-OFDM, 1 RB, 90MHz, OPSK, 60kHz)		7.67	±9.6
0841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 HHz)	5G NR FR1 TDO	7.71	±9.6
0843	AAD	SG NR (CP-OFDM, 50% RB, 15MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.49	±9.6
0.844	AAD	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 60xHz)	SG NR FR1 TDD	8.34	±9,6
0.846	(AAD)	5G NR (CP-OFDM, 50% RB, 35 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	0.41	±9.0
0854	AAD	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 60KHz)	5G NR FR1 TDD	8.34	15.6
0865	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	+9.6
0858	AAD	5G NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.37	±9.6
0867	AAD	58 NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.35	±9.6
0858	AAD	5G NR ICP-OFDM, 100% RB, 30 MHz, GPSK, 66 kHz)	5G NR FR1 TDD	8.96	19.6
0.850	DAA	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	+8.6
0860		5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)	5G NR FR1 TDO	8.41	±0.6
0861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)	53 NR FR1 TDD	8.40	#19.6
0.863	AAD	50 NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 80 kHz)	5G NR FR1 TDD	8.41	+8.6
	and the second second	5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 80 kHz)	5G NR FR1 TDD	8.37	±9.6
0.864	1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	5G NR (CP-OFDM, 100% R8, 100 MHz, QP5K, 80 KHz)	5G NR FRI TDD	8.41	19.6
0.865			50 NR FR1 TDD	5.68	19.6
10866	-	5G NR (DFT/s-OFDM, 1 RB, 100 MHz, OPSK, 30 kHz)			
10868		58 NR (DFTs OFDM, 100% RB, 100 MHz, OPSK, 30 kHz)	56 NR FRI TDD	5,89	£9.0 £9.6
10888		5G NH (DFT-s-OFDM, 1 RB, 100 MHz, OPSK, 120 kHz)	SG NR FA2 TOD		
10870		5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)	5G NR FR2 TDD	5.86	29.8
10871	AAE	5G NR (DFT-6-OFDM, 1 RB, 100 MHz, 16OAM, 120 kHz)	5G NR FR2 TDD	5,75	49.6
10872	AAE	5G NR (DFT-s-OFDM, 108% RB, 100 MHz, 180 AM, 120 HHz)	59 NR FR2 TOD	6.52	19.6
10873	AAE	5G NR (CFT-6-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	50 NR FR2 TDD	6.61	3,8,5
10874	AAE	5G NR (DFT-8-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10.875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.8
10876	AAE	53 NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 160AM, 120 kHz)	SG NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16GAM, 120 kHz)	5G NR FR2 TDD	8,41	±9.6
10879		5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	50 NR FR2 TDD	8.12	土铁石
10880		5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)	5G NR FR2 TOD	8.38	19.6
10881		5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	the second second	6G NR (DFT-s-OFDM, 100% R8, 50 MHz, QPSK, 120 kHz)	50 NR FR2 TDD	5.96	±9.6
10883	_	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 T00	6.87	29.6
10884		5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)	5G NR FR2 TDD	6.53	±9.8
10.885	And the second sec	SG NR (DFT-6-OFDM, 1 RB, 50 MHz, 84QAM, 120 KHz)	5G NR FR2 TDO	6.61	+9.6
			50 NR FR2 T00	6.65	+9.6
10886		5G NR (DFT-6-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)	5G NR FR2 100	7.78	±9/0
10.887			SG NR FR2 TDD	8.35	1.970
10.888	and the second s	5G NR (OP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	8.02	39.0
10.889	Construction of the local division of the lo	5G NR (OP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	- Factor Charles I and all a		
10890		50 NR (CP-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	B.40	+9.6
10891	the second s	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	8.13	29.6
10882		5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD		±9,8
10892		5G NR (DFT-4-OFDM, 1 RB, 5MHz, QPSK. 30 kHz)	SG NR FR1 TDD		±9.0
10898	AAB	5G NR (DFT-s-OFDM_1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.67	土9.6
10899	AAB	SQ NR (DFT-e-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.67	±9.6
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	SG NR FR1 TDD		±9.6
10901	AAB	5G NR (DFFs-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		生9.6
10902		5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	≥9.6
10903		5G NR (DFTs-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FRI TOO	5.68	±9.8
18904	and the second se	50 NR (DET-s-OEDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		19.6
10905	1.		53 NR FR1 TDD		+9.6
10906			5G NR FR1 100		+9.0
	and the second second	SG NR (DFT-6-OFDM, 1 HB, 80 MHz, GFSK, 30 HHz) SG NR (DFT-6-OFDM, 50% RB, 5MHz, OFSK, 30 HHz)	5G NR FR1 TOD		±9.6
10907	-		5G NR FR1 TDD		±8.0 ±9.5
10908		5G NR (DFT-e-OFDM, 50% RB, 10 MHz, OPSK, 30 kHz)			and the second sec
10.001	T	SG NR (DFT's OFOM, 50% RB, 15 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	-	18.6
10910	AAE	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OP5K, 30 kHz)	5G NR FR1 TDD	5.83	±9.f

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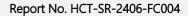


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UDD         Rev         Communication System Name           01011         AAB         EG NR (DFF-COFDA, 50% RB, 20MHz, CPSK, 30HHz)           01012         AAB         EG NR (DFF-COFDA, 50% RB, 20MHz, CPSK, 30HHz)           01013         AAB         SG NR (DFF-COFDA, 50% RB, 50MHz, CPSK, 30HHz)           01014         AAB         SG NR (DFF-COFDA, 50% RB, 100 MHz, CPSK, 30HHz)           01017         AAB         SG NR (DFF-COFDA, 50% RB, 100 MHz, CPSK, 30HHz)           01018         AAB         SG NR (DFF-COFDA, 50% RB, 100 MHz, CPSK, 30HHz)           01018         AAB         SG NR (DFF-COFDA, 100% RB, 50MHz, CPSK, 30HHz)           01021         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 30HHz)           01024         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 30HHz)           01024         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 30HHz)           01025         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 30HHz)           01026         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 30HHz)           01028         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 30HHz)           01028         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 30HHz)           01028         AAB         SG NR (DFF-COFDA, 100% RB, 20MHz, CPSK, 15HHz)           01028	Group	PAR (dB)	$Unc^{E}h =$
Ditt         AAB         BG NR IDFT+-OFDM, 50% RB, 30 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 50% RB, 40 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 50% RB, 50 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 50% RB, 100 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 50% RB, 100 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 100% RB, 100 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 100% RB, 10 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 100% RB, 20 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+-OFDM, 100% RB, 20 MHz, OPSK, 30 Hz)           Ditt         AB         SG NR IDFT+-OFDM, 100% RB, 20 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+OFDM, 100% RB, 20 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+OFDM, 100% RB, 20 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+OFDM, 100% RB, 20 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+OFDM, 100% RB, 20 MHz, OPSK, 30 Hz)           Ditt         AAB         SG NR IDFT+OFDM, 100% RB, 20 MHz, OPSK, 50 Hz)           Ditt         AAB         SG NR IDFT+OFDM, 100% RB, 20 MHz, OPSK, 50 Hz)	5G NR FR1 TDD	5.93	±9.6
3033         AAB         55 NR (DFT=-OFDM, 50% RB, 40.Mex, OPSK, 30.Mex)           9194         AAB         36 NR (DFT=-OFDM, 50% RB, 50.Mex, OPSK, 30.Mex)           9195         AAB         50 NR (DFT=-OFDM, 50% RB, 50.Mex, OPSK, 30.Mex)           9196         AAB         50 NR (DFT=-OFDM, 50% RB, 100.Mex, OPSK, 30.Mex)           9197         AAB         50 NR (DFT=-OFDM, 100% RB, 50.Mex, OPSK, 30.Mex)           9198         AAB         50 NR (DFT=-OFDM, 100% RB, 50.Mex, OPSK, 30.Mex)           9199         AAB         50 NR (DFT=-OFDM, 100% RB, 20.Mex, OPSK, 30.Mex)           9191         AAB         50 NR (DFT=-OFDM, 100% RB, 20.Mex, OPSK, 30.Mex)           9192         AAB         50 NR (DFT=-OFDM, 100% RB, 20.Mex, OPSK, 30.Mex)           9182         AAB         50 NR (DFT=-OFDM, 100% RB, 30.Mex, OPSK, 30.Mex)           9182         AAB         50 NR (DFT=-OFDM, 100% RB, 30.Mex, OPSK, 30.Mex)           9182         AAB         50 NR (DFT=-OFDM, 100% RB, 30.Mex, OPSK, 15.Mex)           9182         AAB         50 NR (DFT=-OFDM, 100% RB, 30.Mex, OPSK, 15.Mex)           9183         AAC         50 NR (DFT=-OFDM, 1 RB, 50.Mex, OPSK, 15.Mex)           9184         AAC         50 NR (DFT=-OFDM, 1 RB, 50.Mex, OPSK, 15.Mex)           9185         AAC         50 NR (DFT=-OFDM, 1 RB, 50.Mex, OPSK, 15.Mex)	SG NR FR1 TDD	5.84	±9.8
Dista         AAB         SG NR (DFT=-OFDM, SON-RB, B0 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, SON-RB, B0 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, SON-RB, 100 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 10 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 10 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 30 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 15 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 15 NHz)           Dista         AAB         SG NR (DFT=-OFDM, 100%, RB, 20 MHz, OPSK, 15 NHz)           Dista         AAC         SG NR (DFT=-OFDM, 1 RB, 15 MHz, OPSK, 15 NHz)           Dista         AAC         SG NR (DFT=-OFDM, 1 RB, 15 MHz, OPSK, 15 NHz)           Dista         AAC         SG NR (DFT=-OFDM, 1 RB, 15 MHz, OPSK, 15	5G NR FR1 TDD	5.84	±9.6
9915         AAB         SG NR IDFT=CPDM, S0% RB, B0 MHz, CPSK, 30 MHz,           9916         AAB         SG NR IDFT=CPDM, S0% RB, 100 MHz, CPSK, 30 MHz,           9917         AAB         SG NR IDFT=CPDM, S0% RB, 100 MHz, CPSK, 30 MHz,           9918         AAB         SG NR IDFT=CPDM, 100% RB, 104 MHz, CPSK, 30 MHz,           9918         AAB         SG NR IDFT=CPDM, 100% RB, 15 MHz, CPSK, 30 MHz,           9921         AAB         SG NR IDFT=CPDM, 100% RB, 20 MHz, CPSK, 30 MHz,           9921         AAB         SG NR IDFT=CPDM, 100% RB, 20 MHz, CPSK, 30 MHz,           9922         AAB         SG NR IDFT=CPDM, 100% RB, 20 MHz, CPSK, 30 MHz,           9924         AAB         SG NR IDFT=CPDM, 100% RB, 20 MHz, CPSK, 30 MHz,           9924         AAB         SG NR IDFT=CPDM, 100% RB, 20 MHz, CPSK, 30 MHz,           9927         AAB         SG NR IDFT=CPDM, 100% RB, 20 MHz, CPSK, 30 MHz,           9928         AAC         SG NR IDFT=CPDM, 1 RB, 15 MHz, CPSK, 15 MHz,           9928         AAC         SG NR IDFT=CPDM, 1 RB, 20 MHz, CPSK, 15 MHz,           9931         AAC         SG NR IDFT=CPDM, 1 RB, 20 MHz, CPSK, 15 MHz,           9932         AAC         SG NR IDFT=CPDM, 1 RB, 20 MHz, CPSK, 15 MHz,           9933         AAC         SG NR IDFT=CPDM, 1 RB, 20 MHz, CPSK, 15 MHz,           9934 </td <td>5G NR FR1 TDD</td> <td>5.85</td> <td>±9.0</td>	5G NR FR1 TDD	5.85	±9.0
9918         AAB         SG NR (DFT=CFDM, 50% RB, 100 MHz, CPSK, 30 HHz)           9917         AAB         SG NR (DFT=CFDM, 100% RB, 100 MHz, CPSK, 30 HHz)           9918         AAC         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9919         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9921         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9922         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9922         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9922         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9924         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9924         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 30 HHz)           9924         AAB         SG NR (DFT=CFDM, 100% RB, 20 MHz, CPSK, 15 MHz)           9926         AAC         SG NR (DFT=CFDM, 1 RB, 10 MHz, CPSK, 15 MHz)           9928         AAC         SG NR (DFT=CFDM, 1 RB, 15 MHz, CPSK, 15 MHz)           9931         AAC         SG NR (DFT=CFDM, 1 RB, 20 MHz, CPSK, 15 MHz)           9934         AAC         SG NR (DFT=CFDM, 1 RB, 20 MHz, CPSK, 15 MHz)           9934         AAC         SG NR (DFT=CFDM, SG NHZ, CPSK, 15 MHz)           9934	5G NR FR1 TOD	5.83	+9.8
0017         AAB         6G NR (DFT=-OFDM, 100% RB, 10MHz, OPSK, 30HHz)           0918         AAB         5G NR (DFT=-OFDM, 100% RB, 10MHz, OPSK, 30HHz)           0920         AAB         5G NR (DFT=-OFDM, 100% RB, 10MHz, OPSK, 30HHz)           0921         AAB         5G NR (DFT=-OFDM, 100% RB, 10MHz, OPSK, 30HHz)           0921         AAB         5G NR (DFT=-OFDM, 100% RB, 25MHz, OPSK, 30HHz)           0921         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           0922         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           0923         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           0924         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           0922         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 15HHz)           0922         AAB         5G NR (DFT=-OFDM, 1 RB, 10MHz, OPSK, 15HHz)           0928         AAC         5G NR (DFT=-OFDM, 1 RB, 10MHz, OPSK, 15HHz)           0927         AAB         5G NR (DFT=-OFDM, 1 RB, 20 MHz, OPSK, 15HHz)           0928         AAC         5G NR (DFT=-OFDM, 1 RB, 20 MHz, OPSK, 15HHz)           0938         AAC         5G NR (DFT=-OFDM, 1 RB, 20 MHz, OPSK, 15HHz)           0931         AAC         5G NR (DFT=-OFDM, N RB, 20 MHz, OPSK, 15HHz)           0932 <t< td=""><td>5G NR FR1 TDD</td><td>5.87</td><td>±9.0</td></t<>	5G NR FR1 TDD	5.87	±9.0
9818         AAC         SG NR (DFT=-OFDM, 100% RB, 50HHz, OPSK, 30HHz)           9819         AAB         SG NR (DFT=-OFDM, 100% RB, 10MHz, OPSK, 30HHz)           982         AAB         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           982         AAB         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           982         AAB         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           982         AAB         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           982         AAB         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           982         AAB         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30HHz)           982         AAB         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 15HHz)           982         AAB         SG NR (DFT=-OFDM, 18, 15MHz, OPSK, 15HHz)           982         AAC         SG NR (DFT=-OFDM, 18, 15MHz, OPSK, 15HHz)           982         AAC         SG NR (DFT=-OFDM, 18, 15MHz, OPSK, 15HHz)           983         AAC         SG NR (DFT=-OFDM, 18, 20MHz, OPSK, 15HHz)           984         AAC         SG NR (DFT=-OFDM, 18, 20MHz, OPSK, 15HHz)           983         AAC         SG NR (DFT=-OFDM, 18, 20MHz, OPSK, 15HHz)           984         AAC         SG NR (DFT=-OFDM, 18, 20MHz, OPSK, 15HHz)           9834         AAC         SG NR (DFT=-O	5G NR FR1 TDD	5.94	+9.6
9819         AAB         SG NR (DFT4-OFDM, 100% RB, 10MHz, OPSK, 30HHz)           9820         AAB         SG NR (DFT4-OFDM, 100% RB, 20MHz, DPSK, 30HHz)           9821         AAB         SG NR (DFT4-OFDM, 100% RB, 20MHz, DPSK, 30HHz)           9822         AAB         SG NR (DFT4-OFDM, 100% RB, 20MHz, DPSK, 30HHz)           9824         AAB         SG NR (DFT4-OFDM, 100% RB, 20MHz, DPSK, 30HHz)           9824         AAB         SG NR (DFT4-OFDM, 100% RB, 20MHz, DPSK, 30HHz)           9824         AAB         SG NR (DFT4-OFDM, 100% RB, 00MHz, OPSK, 30HHz)           9824         AAB         SG NR (DFT4-OFDM, 100% RB, 00MHz, OPSK, 30HHz)           9824         AAB         SG NR (DFT4-OFDM, 1RB, 5MHz, OPSK, 15HHz)           9826         AAC         SG NR (DFT4-OFDM, 1RB, 15MHz, OPSK, 15HHz)           9827         AAC         SG NR (DFT4-OFDM, 1RB, 20MHz, QPSK, 15HHz)           9838         AAC         SG NR (DFT4-OFDM, 1RB, 20MHz, QPSK, 15HHz)           9938         AAC         SG NR (DFT4-OFDM, 1RB, 20MHz, QPSK, 15HHz)           9938         AAC         SG NR (DFT4-OFDM, 1RB, 20MHz, QPSK, 15HHz)           9938         AAC         SG NR (DFT4-OFDM, 1RB, 20MHz, QPSK, 15HHz)           9938         AAC         SG NR (DFT4-OFDM, SN RB, 5MHz, QPSK, 15HHz)           9938         AAC	5G NR FR1 TDD	5.88	+9.6
0980         AAB         5G NR IDFT= OFDM, 100% RB, 3DMHz, OPSK, 30KHz)           0982         AAB         SG NR IDFT=-OFDM, 100% RB, 2DMHz, OPSK, 30KHz)           0982         AAB         SG NR IDFT=-OFDM, 100% RB, 2DMHz, OPSK, 30KHz)           0982         AAB         SG NR IDFT=-OFDM, 100% RB, 2DMHz, OPSK, 30KHz)           0982         AAB         SG NR (DFT=-OFDM, 100% RB, 50MHz, OPSK, 30KHz)           0982         AAB         SG NR (DFT=-OFDM, 100% RB, 50MHz, OPSK, 30KHz)           0982         AAB         SG NR (DFT=-OFDM, 100% RB, 50MHz, OPSK, 15KHz)           0982         AAB         SG NR (DFT=-OFDM, 178, 55 MHz, OPSK, 15KHz)           0982         AAB         SG NR (DFT=-OFDM, 178, 51 MHz, OPSK, 15KHz)           0982         AAC         SG NR (DFT=-OFDM, 178, 15MHz, OPSK, 15KHz)           0983         AAC         SG NR (DFT=-OFDM, 178, 20 MHz, OPSK, 15KHz)           0984         AAC         SG NR (DFT=-OFDM, 178, 20 MHz, OPSK, 15KHz)           0983         AAC         SG NR (DFT=-OFDM, 178, 20 MHz, OPSK, 15KHz)           0984         AAC         SG NR (DFT=-OFDM, 178, 20 MHz, OPSK, 15KHz)           0983         AAC         SG NR (DFT=-OFDM, 50% RB, 10 MHz, OPSK, 15KHz)           0984         AAC         SG NR (DFT=-OFDM, 50% RB, 50 MHz, OPSK, 15KHz)           0983         AAC <td>5G NR FRI TDD</td> <td>5.88</td> <td>±9.6</td>	5G NR FRI TDD	5.88	±9.6
9921         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, DPSK, 30KHz)           9823         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, DPSK, 30KHz)           9924         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, DPSK, 30KHz)           9924         AAB         5G NR (DFT=-OFDM, 100% RB, 50MHz, DPSK, 30KHz)           9924         AAB         5G NR (DFT=-OFDM, 100% RB, 50MHz, DPSK, 30KHz)           9924         AAB         5G NR (DFT=-OFDM, 100% RB, 50MHz, DPSK, 30KHz)           9924         AAB         5G NR (DFT=-OFDM, 1 RB, 5MHz, OPSK, 15kHz)           9927         AAB         5G NR (DFT=-OFDM, 1 RB, 5MHz, OPSK, 15kHz)           9928         AAC         5G NR (DFT=-OFDM, 1 RB, 10MHz, OPSK, 15kHz)           9928         AAC         5G NR (DFT=-OFDM, 1 RB, 20MHz, OPSK, 15kHz)           9931         AAC         5G NR (DFT=-OFDM, 1 RB, 20MHz, OPSK, 15kHz)           9931         AAC         5G NR (DFT=-OFDM, 1 RB, 20MHz, OPSK, 15kHz)           9934         AAC         5G NR (DFT=-OFDM, 1 RB, 20MHz, OPSK, 15kHz)           9934         AAC         5G NR (DFT=-OFDM, 50% RB, 15MHz, OPSK, 15kHz)           9934         AAC         5G NR (DFT=-OFDM, 50% RB, 15MHz, OPSK, 15kHz)           9934         AAC         5G NR (DFT=-OFDM, 50% RB, 15MHz, OPSK, 15kHz)           9934         AAC	5G NR FR1 TDD	5.87	+9.0
0822         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30MHz)           0824         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30MHz)           0824         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30MHz)           0825         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30MHz)           0827         AAB         5G NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 30MHz)           0827         AAB         5G NR (DFT=-OFDM, 178, 5MHz, OPSK, 15MHz)           0828         AAC         5G NR (DFT=-OFDM, 178, 5MHz, OPSK, 15MHz)           0828         AAC         5G NR (DFT=-OFDM, 178, 20MHz, OPSK, 15MHz)           0830         AAC         5G NR (DFT=-OFDM, 178, 20MHz, OPSK, 15MHz)           0831         AAC         5G NR (DFT=-OFDM, 178, 20MHz, OPSK, 15MHz)           0832         AAC         5G NR (DFT=-OFDM, 178, 20MHz, OPSK, 15MHz)           0833         AAC         5G NR (DFT=-OFDM, 50% RB, 10MHz, OPSK, 15MHz)           0834         AAC         5G NR (DFT=-OFDM, 50% RB, 10MHz, OPSK, 15MHz)           0835         AAC         5G NR (DFT=-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           0838         AAC         5G NR (DFT=-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           0839         AAC         5G NR (DFT=-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           01939         AAC	5G NR FR1 TDD	5.84	19.6
9833         AAB         SG NR IDFT=-OFDM, 100% RB, 30MHz, OPSK, 30MHz           9824         AAB         SG NR IDFT=-OFDM, 100% RB, 30MHz, OPSK, 30MHz           9825         AAB         SG NR (DFT=-OFDM, 100% RB, 50MHz, OPSK, 30MHz)           9826         AAB         SG NR (DFT=-OFDM, 100% RB, 50MHz, OPSK, 30MHz)           9827         AAB         SG NR (DFT=-OFDM, 185, 5MHz, OPSK, 15MHz)           9828         AAC         SG NR (DFT=-OFDM, 185, 5MHz, OPSK, 15MHz)           9829         AAC         SG NR (DFT=-OFDM, 185, 5MHz, OPSK, 15MHz)           9931         AAC         SG NR (DFT=-OFDM, 188, 20MHz, OPSK, 15MHz)           9931         AAC         SG NR (DFT=-OFDM, 188, 20MHz, OPSK, 15MHz)           9932         AAC         SG NR (DFT=-OFDM, 188, 20MHz, OPSK, 15MHz)           9933         AAC         SG NR (DFT=-OFDM, 188, 20MHz, OPSK, 15MHz)           9934         AAC         SG NR (DFT=-OFDM, 50% RB, 15MHz, OPSK, 15MHz)           9934         AAC         SG NR (DFT=-OFDM, 50% RB, 15MHz, OPSK, 15MHz)           9934         AAC         SG NR (DFT=-OFDM, 50% RB, 15MHz, OPSK, 15MHz)           9934         AAC         SG NR (DFT=-OFDM, 50% RB, 15MHz, OPSK, 15MHz)           9934         AAC         SG NR (DFT=-OFDM, 50% RB, 20MHz, OPSK, 15MHz)           9935         AAC         SG	SG NR FR1 TDD	5.82	+9.6
0324         AAB         BG NR (DFT+-OFDM, 100%, RB, 50MHz, OPSK, 30 MHz)           0325         AAB         SG NR (DFT+-OFDM, 100%, RB, 50MHz, OPSK, 30 MHz)           0326         AAB         SG NR (DFT+-OFDM, 100%, RB, 50MHz, OPSK, 30 MHz)           0327         AAB         SG NR (DFT+-OFDM, 1 RB, 50MHz, OPSK, 15 MHz)           0328         AAC         SG NR (DFT+-OFDM, 1 RB, 10MHz, OPSK, 15 MHz)           0328         AAC         SG NR (DFT+-OFDM, 1 RB, 10MHz, OPSK, 15 MHz)           0393         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           0393         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           0393         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           0393         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           0393         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           0393         AAC         SG NR (DFT+-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           0393         AAC         SG NR (DFT+-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           0394         AAC         SG NR (DFT+-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           0394         AAC         SG NR (DFT+-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           0394         AAC         SG NR (DFT+-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           0394 <td>50 NR FR1 TD0</td> <td>5.84</td> <td>±9.6</td>	50 NR FR1 TD0	5.84	±9.6
1925         AAB         SG NR (DFT+-OFDM, 100% RB, 50 MHz, OPSK, 30 MHz)           1932         AAB         SG NR (DFT+-OFDM, 100% RB, 60 MHz, OPSK, 30 MHz)           1932         AAB         SG NR (DFT+-OFDM, 100% RB, 60 MHz, OPSK, 15 MHz)           1932         AAC         SG NR (DFT+-OFDM, 1 RB, 50 MHz, OPSK, 15 MHz)           1932         AAC         SG NR (DFT+-OFDM, 1 RB, 10 MHz, OPSK, 15 MHz)           1933         AAC         SG NR (DFT+-OFDM, 1 RB, 10 MHz, OPSK, 15 MHz)           1934         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           1935         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           1934         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           1935         AAC         SG NR (DFT+-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           1936         AAC         SG NR (DFT+-OFDM, 50% RB, 10 MHz, OPSK, 15 MHz)           1938         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           1938         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           1938         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           1938         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           1938         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           19	5G NR FRI TDO	5.84	±9.6
10928         AAB         SQ NR (DFT=-CFDM, 100% RB, 80 MHz, CPSK, 30 MHz)           10928         AAC         SG NR (DFT=-CFDM, 100% RB, 80 MHz, CPSK, 15 MHz)           10928         AAC         SG NR (DFT=-CFDM, 1 RB, 10 MHz, CPSK, 15 MHz)           10929         AAC         SG NR (DFT=-CFDM, 1 RB, 10 MHz, CPSK, 15 MHz)           10931         AAC         SG NR (DFT=-CFDM, 1 RB, 20 MHz, CPSK, 15 MHz)           10932         AAC         SG NR (DFT=-CFDM, 1 RB, 20 MHz, CPSK, 15 MHz)           10932         AAC         SG NR (DFT=-CFDM, 1 RB, 20 MHz, CPSK, 15 MHz)           10934         AAC         SG NR (DFT=-CFDM, 5 RB, 80 MHz, CPSK, 15 MHz)           10935         AAC         SG NR (DFT=-CFDM, 5 RB, 80 MHz, CPSK, 15 MHz)           10936         AAC         SG NR (DFT=-CFDM, 5 RB, 80 MHz, CPSK, 15 MHz)           10937         AAC         SG NR (DFT=-CFDM, 5 RB, 82 MHz, CPSK, 15 MHz)           10938         AAC         SG NR (DFT=-CFDM, 5 RS, 88 B, 20 MHz, CPSK, 15 MHz)           10938         AAC         SG NR (DFT=-CFDM, 5 RS, 88 B, 20 MHz, CPSK, 15 MHz)           10938         AAC         SG NR (DFT=-CFDM, 5 RS, 88 B, 20 MHz, CPSK, 15 MHz)           10944         AAC         SG NR (DFT=-CFDM, 5 RS, 88 B, 20 MHz, CPSK, 15 MHz)           10945         AAC         SG NR (DFT=-CFDM, 100% RB, 5 MHz, CPSK, 15 MHz) </td <td>SG NR FR1 TDO</td> <td>5.95</td> <td>10.0</td>	SG NR FR1 TDO	5.95	10.0
DB27         AAB         SG NR (DFT=-CPDM, 100%, RB, 80 MHz, CPSK, 15 Mz)           D028         AAC         SG NR (DT=-CPDM, 1 RB, 15 Mz), CPSK, 15 Mz)           D0380         AAC         SG NR (DT=-CPDM, 1 RB, 10 Mz), CPSK, 15 Mz)           D0301         AAC         SG NR (DT=-CPDM, 1 RB, 10 Mz), CPSK, 15 Mz)           D0321         AAC         SG NR (DT=-CPDM, 1 RB, 20 MHz, QPSK, 15 Mz)           D0324         AAC         SG NR (DT=-CPDM, 1 RB, 20 MHz, QPSK, 15 Mz)           D0324         AAC         SG NR (DT=-CPDM, 1 RB, 20 MHz, QPSK, 15 Mz)           D0324         AAC         SG NR (DT=-CPDM, 1 RB, 20 MHz, QPSK, 15 Mz)           D0325         AAC         SG NR (DT=-CPDM, 50% RB, 5 MHz, QPSK, 15 Mz)           D0336         AAC         SG NR (DT=-CPDM, 50% RB, 10 MHz, QPSK, 15 Mz)           D0337         AAC         SG NR (DT=-CPDM, 50% RB, 15 MHz, QPSK, 15 Mz)           D0338         AAC         SG NR (DT=-CPDM, 50% RB, 25 Mtz, QPSK, 15 Mz)           D0339         AAC         SG NR (DT=-CPDM, 50% RB, 25 Mtz, QPSK, 15 Mz)           D0344         AAC         SG NR (DT=-CPDM, 50% RB, 50 Mtz, QPSK, 15 Mz)           D044         AAC         SG NR (DT=-CPDM, 50% RB, 50 Mtz, QPSK, 15 Mz)           D044         AAC         SG NR (DT=-CPDM, 100% RB, 50 Mtz, QPSK, 15 Mz)           D044	Contract of the second s	5.84	10.0
0028         AAC         SG NR (DFT+-OFDM, 1 RB, 15MHz, CPSK, 15MHz)           0029         AAC         SG NR (DFT+-OFDM, 1 RB, 10MHz, CPSK, 15MHz)           0031         AAC         SG NR (DFT+-OFDM, 1 RB, 20MHz, CPSK, 15MHz)           00321         AAC         SG NR (DFT+-OFDM, 1 RB, 20MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 1 RB, 20MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 1 RB, 20MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 1 RB, 20MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 1 RB, 20MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 1 RB, 20MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 50% RB, 10MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 50% RB, 10MHz, CPSK, 15MHz)           00331         AAC         SG NR (DFT+-OFDM, 50% RB, 50MHz, CPSK, 15MHz)           00341         AAC         SG NR (DFT+-OFDM, 50% RB, 50MHz, CPSK, 15MHz)           00342         AAC         SG NR (DFT+-OFDM, 50% RB, 50MHz, CPSK, 15MHz)           00344         AAC         SG NR (DFT+-OFDM, 50% RB, 50MHz, CPSK, 15MHz)           00344         AAC         SG NR (DFT+-OFDM, 100% RB, 50MHz, CPSK, 15MHz)           00344         AAC<	SG NR FR1 TDD	and the second second	
0929         AAC         5G NR (DFT+-OFDM, 1 RB, 10MHz, QPSK, 15MHz)           0931         AAC         5G NR (DFT+-OFDM, 1 RB, 20MHz, QPSK, 15MHz)           0932         AAC         5G NR (DFT+-OFDM, 1 RB, 20MHz, QPSK, 15MHz)           0932         AAC         5G NR (DFT+-OFDM, 1 RB, 20 MHz, QPSK, 15MHz)           0932         AAC         5G NR (DFT+-OFDM, 1 RB, 20 MHz, QPSK, 15MHz)           0935         AAC         5G NR (DFT+-OFDM, 57%, RB, 5MHz, QPSK, 15MHz)           0935         AAC         5G NR (DFT+-OFDM, 57%, RB, 5MHz, QPSK, 15MHz)           0936         AAC         5G NR (DFT+-OFDM, 57%, RB, 5MHz, QPSK, 15MHz)           0937         AAC         5G NR (DFT+-OFDM, 57%, RB, 5MHz, QPSK, 15MHz)           0938         AAC         5G NR (DFT+-OFDM, 57%, RB, 50MHz, QPSK, 15MHz)           0939         AAC         5G NR (DFT+-OFDM, 57%, RB, 30MHz, QPSK, 15MHz)           0939         AAC         5G NR (DFT+-OFDM, 57%, RB, 30MHz, QPSK, 15MHz)           0940         AAC         5G NR (DFT+-OFDM, 57%, RB, 30MHz, QPSK, 15MHz)           0941         AAC         5G NR (DFT+-OFDM, 57%, RB, 50MHz, QPSK, 15MHz)           0943         AAC         5G NR (DFT+-OFDM, 100%, RB, 15MHz, QPSK, 15MHz)           0944         AAC         5G NR (DFT+-OFDM, 100%, RB, 15MHz, QPSK, 15MHz)           0944	5G NR FR1 TDD	5.94	+9.6
10830         AAC         5G NR (DFTs-OFDM, 1 RB, 15MHz, QPSK, 15MHz)           10932         AAC         5G NR (DFTs-OFDM, 1 RB, 20MHz, QPSK, 15MHz)           10932         AAC         5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 15MHz)           10932         AAC         5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 15MHz)           10934         AAC         5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 15MHz)           10935         AAC         5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 15MHz)           10936         AAC         5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 15MHz)           10936         AAC         5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 15MHz)           10936         AAC         5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15MHz)           10936         AAC         5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15MHz)           10938         AAC         5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15MHz)           10940         AAC         5G NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15MHz)           10941         AAC         5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15MHz)           10944         AAC         5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15MHz)           10945         AAC         5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15MHz)           10944         AAC         5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15MHz)           10944	SG NR FR1 FDD	5.52	
10931         AAC         SE NR (DFT=-OFDM, 1 RB, 20 MHz, QFSK, 15 MHz)           10932         AAC         5G NR (DFT=-OFDM, 1 RB, 20 MHz, QFSK, 15 MHz)           10933         AAC         5G NR (DFT=-OFDM, 1 RB, 20 MHz, QFSK, 15 MHz)           10934         AAC         5G NR (DFT=-OFDM, 1 RB, 30 MHz, QFSK, 15 MHz)           10935         AAC         5G NR (DFT=-OFDM, 1 RB, 50 MHz, QFSK, 15 MHz)           10936         AAC         5G NR (DFT=-OFDM, 50% RB, 10 MHz, QFSK, 15 MHz)           10937         AAC         5G NR (DFT=-OFDM, 50% RB, 10 MHz, QFSK, 15 MHz)           10938         AAC         5G NR (DFT=-OFDM, 50% RB, 50 MHz, QFSK, 15 MHz)           10938         AAC         5G NR (DFT=-OFDM, 50% RB, 50 MHz, QFSK, 15 MHz)           10940         AAC         5G NR (DFT=-OFDM, 50% RB, 50 MHz, QFSK, 15 MHz)           10941         AAC         5G NR (DFT=-OFDM, 50% RB, 50 MHz, QFSK, 15 MHz)           10943         AAC         5G NR (DFT=-OFDM, 100% RB, 50 MHz, QFSK, 15 MHz)           10944         AAC         5G NR (DFT=-OFDM, 100% RB, 50 MHz, QFSK, 15 MHz)           10945         AAC         5G NR (DFT=-OFDM, 100% RB, 20 MHz, QFSK, 15 MHz)           10946         AAC         5G NR (DFT=-OFDM, 100% RB, 20 MHz, QFSK, 15 MHz)           10948         AAC         5G NR (DFT=-OFDM, 100% RB, 20 MHz, QFSK, 15 MHz)	SG NR FR1 FDD	5.52	19.6
1992         AAC         5G NR (DFTs-OFDM, 1 RB, 25 MHz, OPSK, 15 MHz)           19934         AAC         5G NR (DFTs-OFDM, 1 RB, 20 MHz, OPSK, 15 MHz)           19935         AAC         5G NR (DFTs-OFDM, 1 RB, 30 MHz, OPSK, 15 MHz)           19935         AAC         5G NR (DFTs-OFDM, 1 RB, 50 MHz, OPSK, 15 MHz)           19935         AAC         5G NR (DFTs-OFDM, 50% RB, 5MHz, OPSK, 15 MHz)           19936         AAC         5G NR (DFTs-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           19937         AAC         5G NR (DFTs-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           19938         AAC         5G NR (DFTs-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           19949         AAC         5G NR (DFTs-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           19941         AAC         5G NR (DFTs-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           19942         AAC         5G NR (DFTs-OFDM, 100% RB, 15 MHz, OPSK, 15 MHz)           19943         AAD         5G NR (DFTs-OFDM, 100% RB, 15 MHz, OPSK, 15 MHz)           19944         AAC         5G NR (DFTs-OFDM, 100% RB, 15 MHz, OPSK, 15 MHz)           19945         AAC         5G NR (DFTs-OFDM, 100% RB, 15 MHz, OPSK, 15 MHz)           19946         AAC         5G NR (DFTs-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz)           19947         AAC         5G NR (DFTs-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz)	5G NR FR1 FDD	5.52	±9.6
0403         AAC         5G NR IDEEs OFEM, 1 RB, 30 MHz, OPSK, 15 MHz           10935         AAC         5G NR (DEEs-OFEM, 1 RB, 30 MHz, OPSK, 15 MHz)           10935         AAC         5G NR (DEEs-OFEM, 50% RB, 5MHz, OPSK, 15 MHz)           10936         AAC         5G NR (DEEs-OFEM, 50% RB, 5MHz, OPSK, 15 MHz)           10937         AAC         5G NR (DEEs-OFEM, 50% RB, 10 MHz, OPSK, 15 MHz)           10938         AAC         5G NR (DEEs-OFEM, 50% RB, 15 MHz, OPSK, 15 MHz)           10939         AAC         5G NR (DEEs-OFEM, 50% RB, 35 MHz, OPSK, 15 MHz)           10940         AAC         5G NR (DEEs-OFEM, 50% RB, 35 MHz, OPSK, 15 MHz)           10941         AAC         5G NR (DEEs-OFEM, 50% RB, 50 MHz, OPSK, 15 MHz)           10942         AAC         5G NR (DEEs-OFEM, 100% RB, 50 MHz, OPSK, 15 MHz)           10943         AAD         5G NR (DEEs-OFEM, 100% RB, 50 MHz, OPSK, 15 MHz)           10944         AAC         5G NR (DEEs-OFEM, 100% RB, 50 MHz, OPSK, 15 MHz)           10945         AAC         5G NR (DEEs-OFEM, 100% RB, 20 MHz, OPSK, 15 MHz)           10946         AAC         5G NR (DEEs-OFEM, 100% RB, 20 MHz, OPSK, 15 MHz)           10946         AAC         5G NR (DEEs-OFEM, 100% RB, 20 MHz, OPSK, 15 MHz)           10946         AAC         5G NR (DEEs-OFEM, 100% RB, 20 MHz, OPSK, 15 MHz) <td>SG NR FR1 FDD</td> <td>5.51</td> <td>+9.0</td>	SG NR FR1 FDD	5.51	+9.0
19894         AAC         BG NR (DFT+-OFDM, 1 RB, 40 MHz, GPSK, 15 KHz)           19895         AAC         SG NR (DFT+-OFDM, 1 RB, 50 MHz, GPSK, 15 KHz)           19896         AAC         SG NR (DFT+-OFDM, 50% RB, 10 MHz, GPSK, 15 KHz)           19897         AAC         SG NR (DFT+-OFDM, 50% RB, 10 MHz, GPSK, 15 KHz)           19898         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, GPSK, 15 KHz)           19898         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, GPSK, 15 KHz)           19898         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, GPSK, 15 KHz)           19841         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, GPSK, 15 KHz)           19841         AAC         SG NR (DFT+-OFDM, 50% RB, 20 MHz, GPSK, 15 KHz)           19842         AAC         SG NR (DFT+-OFDM, 100% RB, 50 MHz, GPSK, 15 KHz)           19844         AAC         SG NR (DFT+-OFDM, 100% RB, 50 MHz, GPSK, 15 KHz)           19844         AAC         SG NR (DFT+-OFDM, 100% RB, 20 MHz, GPSK, 15 KHz)           19845         AAC         SG NR (DFT+-OFDM, 100% RB, 20 MHz, GPSK, 15 KHz)           19846         AAC         SG NR (DFT+-OFDM, 100% RB, 20 MHz, GPSK, 15 KHz)           19847         AAC         SG NR (DFT+-OFDM, 100% RB, 20 MHz, GPSK, 15 KHz)           19848         AAC         SG NR (DFT+-OFDM, 100% RB, 20 MHz, GPSK, 15 KHz)	SG NR FRI FDD	6,51	19.6
10:555         AA0         5G NR (DFT+-OFDM, 1 RB, 50 MHz, OPSK, 15 MHz)           10:537         AAC         5G NR (DFT+-OFDM, 50% RB, 5MHz, OPSK, 15 MHz)           10:537         AAC         5G NR (DFT+-OFDM, 50% RB, 5MHz, OPSK, 15 MHz)           10:538         AAC         5G NR (DFT+-OFDM, 50% RB, 15 MHz, OPSK, 15 MHz)           10:538         AAC         5G NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           10:538         AAC         5G NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           10:540         AAC         5G NR (DFT+-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz)           10:541         AAC         5G NR (DFT+-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           10:842         AAC         5G NR (DFT+-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz)           10:844         AAC         5G NR (DFT+-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz)           10:844         AAC         5G NR (DFT+-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz)           10:844         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz)           10:845         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz)           10:846         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz)           10:846         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz)           10:846         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15	53 NR FR1 FDD	5.51	#9.6
1936         AAC         SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           10387         AAC         SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           10388         AAC         SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           10388         AAC         SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           10389         AAC         SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz)           10441         AAC         SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15Mz)           10441         AAC         SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15Mz)           10443         AAD         SG NR (DFTs-OFDM, 100% RB, 50MHz, OPSK, 15Mz)           10444         AAC         SG NR (DFTs-OFDM, 100% RB, 15MHz, OPSK, 15MHz)           10445         AAC         SG NR (DFTs-OFDM, 100% RB, 15MHz, OPSK, 15MHz)           10446         AAC         SG NR (DFTs-OFDM, 100% RB, 15MHz, OPSK, 15MHz)           10446         AAC         SG NR (DFTs-OFDM, 100% RB, 15MHz, OPSK, 15MHz)           10446         AAC         SG NR (DFTs-OFDM, 100% RB, 10MHz, OPSK, 15MHz)           10446         AAC         SG NR (DFTs-OFDM, 100% RB, 20MHz, OPSK, 15MHz)           10446         AAC         SG NR (DFTs-OFDM, 100% RB, 20MHz, OPSK, 15MHz)           10446         AAC         SG NR (DFTs-OFDM, 100% RB, 20MHz, OPSK, 15MHz)           10	5G NR FR1 FDD	5.51	±9.0
IDIB37         AAC         SG NR (DFTs-OFCM, 50% R8, 10 MHz, OPSK, 15 KHz)           10838         AAC         SG NR (DFTs-OFCM, 50% R8, 15 MHz, OPSK, 15 KHz)           10839         AAC         SG NR (DFTs-OFCM, 50% R8, 25 MHz, OPSK, 15 KHz)           10840         AAC         SG NR (DFTs-OFCM, 50% R8, 25 MHz, OPSK, 15 KHz)           10841         AAC         SG NR (DFTs-OFCM, 50% R8, 25 MHz, OPSK, 15 KHz)           10841         AAC         SG NR (DFTs-OFCM, 50% R8, 25 MHz, OPSK, 15 KHz)           10842         AAC         SG NR (DFTs-OFCM, 50% R8, 50 MHz, OPSK, 15 KHz)           10844         AAC         SG NR (DFTs-OFCM, 100% R8, 50 MHz, OPSK, 15 KHz)           10844         AAC         SG NR (DFTs-OFCM, 100% R8, 50 MHz, OPSK, 15 KHz)           10844         AAC         SG NR (DFTs-OFCM, 100% R8, 20 MHz, OPSK, 15 KHz)           10844         AAC         SG NR (DFTs-OFCM, 100% R8, 20 MHz, OPSK, 15 KHz)           10945         AAC         SG NR (DFTs-OFCM, 100% R8, 20 MHz, OPSK, 15 KHz)           10946         AAC         SG NR (DFTs-OFCM, 100% R8, 20 MHz, OPSK, 15 KHz)           10947         AAC         SG NR (DFTs-OFCM, 100% R8, 20 MHz, OPSK, 15 KHz)           10948         AAC         SG NR (DFTs-OFCM, 100% R8, 20 MHz, OPSK, 15 KHz)           10944         AAC         SG NR (DFTs-OFCM, 100% R8, 20 MHz, OPSK, 15 KHz) </td <td>5G NR FR1 FDD</td> <td>5.51</td> <td>±9.6</td>	5G NR FR1 FDD	5.51	±9.6
10938         AAC         SG NR (DFT+-OFEM, S0% R8, 15 MHz, OPSK, 15 HHz)           10939         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10940         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10941         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10941         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10943         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10944         AAC         SG NR (DFT+-OFEM, 100% R8, 50 MHz, OPSK, 15 HHz)           10944         AAC         SG NR (DFT+-OFEM, 100% R8, 10 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10949         AAA         SG NR (DL (CP-OFEM, TM 3.1, 10 MHz, 64-QAM, 15 Hz)	5G NR FR1 FOD	5.90	±9.6
10938         AAC         SG NR (DFT+-OFEM, S0% R8, 15 MHz, OPSK, 15 HHz)           10939         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10940         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10941         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10941         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10943         AAC         SG NR (DFT+-OFEM, S0% R8, 20 MHz, OPSK, 15 HHz)           10944         AAC         SG NR (DFT+-OFEM, 100% R8, 50 MHz, OPSK, 15 HHz)           10944         AAC         SG NR (DFT+-OFEM, 100% R8, 10 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10948         AAC         SG NR (DFT+-OFEM, 100% R8, 20 MHz, OPSK, 15 HHz)           10949         AAA         SG NR (DL (CP-OFEM, TM 3.1, 10 MHz, 64-QAM, 15 Hz)	5G NR FR1 FDD	5.77	±9.6
10839         AAC         5G NR (DFTs-OPDM, 50% RB, 20MHz, OPSK, 15kHz)           10841         AAC         5G NR (DFTs-OPDM, 50% RB, 20MHz, OPSK, 15kHz)           10841         AAC         5G NR (DFTs-OPDM, 50% RB, 20MHz, OPSK, 15kHz)           10842         AAC         5G NR (DFTs-OPDM, 50% RB, 20MHz, OPSK, 15kHz)           10842         AAC         5G NR (DFTs-OPDM, 50% RB, 20MHz, OPSK, 15kHz)           10843         AAC         5G NR (DFTs-OPDM, 100% RB, 50MHz, OPSK, 15kHz)           10844         AAC         5G NR (DFTs-OPDM, 100% RB, 15MHz, OPSK, 15kHz)           10846         AAC         5G NR (DFTs-OPDM, 100% RB, 15MHz, OPSK, 15kHz)           10846         AAC         5G NR (DFTs-OPDM, 100% RB, 15MHz, OPSK, 15kHz)           10847         AAC         5G NR (DFTs-OPDM, 100% RB, 20MHz, OPSK, 15kHz)           10848         AAC         5G NR (DFTs-OPDM, 100% RB, 20MHz, OPSK, 15kHz)           10849         AAC         5G NR (DFTs-OPDM, 100% RB, 20MHz, OPSK, 15kHz)           10840         AAC         5G NR (DFTs-OPDM, 100% RB, 20MHz, OPSK, 15kHz)           10841         AAD         5G NR (DFTs-OPDM, 100% RB, 20MHz, OPSK, 15kHz)           10845         AAA         5G NR (D (CP-OFDM, TM 3.1, 10MHz, 54-QAM, 15kHz)           10845         AAA         5G NR (D (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	53 NR FR1 FDD	5.90	±9.8
10140         AAC         SG NR (DFTs-OPDM, 50% R8, 25MHz, OPSK, 15HHz)           10941         AAC         SG NR (DFTs-OPDM, 50% R8, 20MHz, OPSK, 15HHz)           10942         AAC         SG NR (DFTs-OPDM, 50% R8, 20MHz, OPSK, 15HHz)           10943         AAC         SG NR (DFTs-OPDM, 50% R8, 20MHz, OPSK, 15HHz)           10944         AAC         SG NR (DFTs-OPDM, 50% R8, 50MHz, OPSK, 15HHz)           10945         AAC         SG NR (DFTs-OPDM, 100% R8, 15MHz, OPSK, 15HHz)           10944         AAC         SG NR (DFTs-OPDM, 100% R8, 15MHz, OPSK, 15HHz)           10946         AAC         SG NR (DFTs-OPDM, 100% R8, 15MHz, OPSK, 15HHz)           10946         AAC         SG NR (DFTs-OPDM, 100% R8, 15HHz, OPSK, 15HHz)           10946         AAC         SG NR (DFTs-OPDM, 100% R8, 15HHz, OPSK, 15HHz)           10948         AAC         SG NR (DFTs-OPDM, 100% R8, 15HHz, OPSK, 15HHz)           10948         AAC         SG NR (DFTs-OPDM, 100% R8, 10MHz, OPSK, 15HHz)           10948         AAC         SG NR DL (CP-OPDM, 100% R8, 10MHz, OPSK, 15HHz)           10950         AAA         SG NR DL (CP-OPDM, 100% R8, 10MHz, OPSK, 15HHz)           10951         AAA         SG NR DL (CP-OPDM, TM 3.1, 10MHz, 64-QAM, 15HHz)           10952         AAA         SG NR DL (CP-OPDM, TM 3.1, 10MHz, 64-QAM, 30Hz)	5G NR FR1 FDD	5.82	±9.6
10841         AAC         5G NR (DFT#-OFDM, 58% RB, 20MHz, OPSK, 15kHz)           10942         AAC         5G NR (DFT#-OFDM, 58% RB, 20MHz, OPSK, 15kHz)           10943         AAC         5G NR (DFT#-OFDM, 58% RB, 20MHz, OPSK, 15kHz)           10944         AAC         5G NR (DFT#-OFDM, 100% RB, 5MHz, OPSK, 15kHz)           10944         AAC         5G NR (DFT#-OFDM, 100% RB, 5MHz, OPSK, 15kHz)           10944         AAC         5G NR (DFT#-OFDM, 100% RB, 15MHz, OPSK, 15kHz)           10946         AAC         5G NR (DFT#-OFDM, 100% RB, 20MHz, OPSK, 15kHz)           10947         AAC         5G NR (DFT#-OFDM, 100% RB, 20MHz, OPSK, 15kHz)           10948         AAC         5G NR (DFT#-OFDM, 100% RB, 20MHz, OPSK, 15kHz)           10949         AAC         5G NR (DFT#-OFDM, 100% RB, 20MHz, OPSK, 15kHz)           10949         AAC         5G NR (DFT#-OFDM, 100% RB, 20MHz, OPSK, 15kHz)           10950         AAC         5G NR (DFT#-OFDM, 100% RB, 20MHz, OPSK, 15kHz)           10951         AAA         5G NR (DCT#-OFDM, 100% RB, 20MHz, OPSK, 15kHz)           10952         AAA         5G NR (DCP-OFDM, 17M 3.1, 15MHz, 64-QAM, 15kHz)           10953         AAA         5G NR (DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 35kHz)           10954         AAA         5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	5.89	±9.6
10942         AAC         SS NR [DFTs-OFDM, S0% RB, 40 MHz, OPSK, 15 MHz]           10943         AAD         SG NR [DFTs-OFDM, S0% RB, 50 MHz, OPSK, 15 MHz]           10944         AAC         SG NR [DFTs-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz]           10945         AAC         SG NR [DFTs-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz]           10946         AAC         SG NR [DFTs-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz]           10946         AAC         SG NR [DFTs-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz]           10947         AAC         SG NR [DFTs-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz]           10948         AAC         SG NR [DFTs-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz]           10946         AAC         SG NR [DFTs-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz]           10946         AAC         SG NR [DFTs-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz]           10946         AAC         SG NR [DFTs-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz]           10951         AAD         SG NR [DFTs-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz]           10952         AAA         SG NR DL (CP-OFDM, 103, 15 MHz, 64-QAM, 15 MHz)           10953         AAA         SG NR DL (CP-OFDM, 1M 3, 1, 10 MHz, 64-QAM, 30 MHz)           10954         AAA         SG NR DL (CP-OFDM, 1M 3, 1, 5 MHz, 64-QAM, 30 MHz)           10955         AAA         SG NR DL (CP-OFDM, 1M 3, 1, 5 MHz, 64-QAM,	5G NR FR1 FDD	5.83	+9.6
10943         AAD         5G NR (DFT+-OFDM, 30% RB, 50 MRz, OPSK, 15 KHz)           10944         AAC         5G NR (DFT+-OFDM, 100% RB, 50 MRz, OPSK, 15 KHz)           10946         AAC         5G NR (DFT+-OFDM, 100% RB, 15 MHz, OPSK, 15 KHz)           10946         AAC         5G NR (DFT+-OFDM, 100% RB, 15 MHz, OPSK, 15 KHz)           10947         AAC         5G NR (DFT+-OFDM, 100% RB, 15 MHz, OPSK, 15 KHz)           10946         AAC         5G NR (DFT+-OFDM, 100% RB, 15 MHz, OPSK, 15 KHz)           10946         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 KHz)           10946         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 KHz)           10947         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 KHz)           10948         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 KHz)           10949         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 KHz)           10949         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, OPSK, 15 KHz)           10940         AAA         5G NR (D (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)           10951         AAA         5G NR (D (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)           10952         AAA         5G NR (D (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)           10954         AAA         5G NR (D (CP-OFDM, TM 3.1, 15 MHz, 64-	SG NR FR1 FDD	6.85	19.6
10344         AAC         5G NR (DFT+-OFDM, 100% RB, 5MHz, QPSK, 15 kHz)           10346         AAC         5G NR (DFT+-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)           10346         AAC         5G NR (DFT+-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)           10346         AAC         5G NR (DFT+-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)           10347         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)           10348         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)           10350         AAC         5G NR (DFT+-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)           10351         AAD         5G NR (DFT+-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)           10351         AAD         5G NR (DFT+-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)           10351         AAD         5G NR (DFT+-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)           10352         AAA         5G NR DL (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)           10353         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)           10354         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10355         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10356         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10356         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64	SG NR FR1 FDD	5.95	:9.6
10948         AAC         5G NR (DFT=-OFDM, 100N RB, 10 MHz, QPSK, 154Hz)           10946         AAC         5G NR (DFT=-OFDM, 100N RB, 15 MHz, QPSK, 154Hz)           10947         AAC         5G NR (DFT=-OFDM, 100N RB, 20 MHz, QPSK, 154Hz)           10948         AAC         5G NR (DFT=-OFDM, 100N RB, 20 MHz, QPSK, 154Hz)           10948         AAC         5G NR (DFT=-OFDM, 100N RB, 20 MHz, QPSK, 154Hz)           10948         AAC         5G NR (DFT=-OFDM, 100% RB, 20 MHz, QPSK, 154Hz)           10950         AAC         5G NR (DFT=-OFDM, 100% RB, 20 MHz, QPSK, 154Hz)           10951         AAD         5G NR (DFT=-OFDM, 100% RB, 20 MHz, QPSK, 154Hz)           10952         AAA         5G NR DL (CP-OFDM, 100% RB, 20 MHz, QPSK, 154Hz)           10953         AAA         5G NR DL (CP-OFDM, 100% RB, 20 MHz, 64-QAM, 154Hz)           10954         AAA         5G NR DL (CP-OFDM, 103 1, 15MHz, 64-QAM, 354Hz)           10955         AAA         5G NR DL (CP-OFDM, 103 1, 15MHz, 64-QAM, 304Hz)           10956         AAA         5G NR DL (CP-OFDM, 103 1, 15MHz, 64-QAM, 304Hz)           10957         AAA         5G NR DL (CP-OFDM, 103 1, 15MHz, 64-QAM, 304Hz)           10958         AAA         5G NR DL (CP-OFDM, 103 1, 15MHz, 64-QAM, 304Hz)           10959         AAA         5G NR DL (CP-OFDM, 103 1, 15MHz, 64-QAM, 304Hz)	5G NR FR1 FDD	5.81	±9.0
10346         AAC         SG NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 15 MHz)           10346         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 MHz)           10348         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 MHz)           10348         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 MHz)           10349         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 MHz)           10345         AAC         SG NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 MHz)           10345         AAC         SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz)           10345         AAC         SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz)           10345         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 54 GAM, 15 MHz)           10345         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 GAM, 15 MHz)           10345         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 GAM, 30 Mz)           10346         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 GAM, 30 Mz)           10346         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 GAM, 30 Mz)           10346         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 GAM, 30 Mz)           10346         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 GAM, 30 Mz)           10346         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz,	SG NR FR1 FDD	5.85	+9.6
10947         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 HHz)           10948         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 HHz)           10949         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 HHz)           10950         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 HHz)           10950         AAC         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 HHz)           10951         AAD         SG NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 HHz)           10953         AAA         SG NR DL (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 HHz)           10953         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 Hz)           10954         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 Hz)           10955         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10957         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz,	5G NR FR1 FDD	5.83	±9.6
10946         AAC         SG NR (DFTs-DFDM, 100% RB, 25 MHz, QPSK, 15 HHz)           10946         AAC         SG NR (DFTs-DFDM, 100% RB, 30 MHz, QPSK, 15 HHz)           10950         AAC         SG NR (DFTs-DFDM, 100% RB, 30 MHz, QPSK, 15 HHz)           109510         AAC         SG NR (DFTs-DFDM, 100% RB, 30 MHz, QPSK, 15 HHz)           10951         AAD         SG NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 HHz)           10952         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 15 HHz)           10953         AAA         SG NR DL (CP-OFDM, TM 31, 10 MHz, 64-QAM, 15 HHz)           10954         AAA         SG NR DL (CP-OFDM, TM 31, 10 MHz, 64-QAM, 15 HHz)           10955         AAA         SG NR DL (CP-OFDM, TM 31, 10 MHz, 64-QAM, 35 HHz)           10956         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10957         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10958         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10959         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10959         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10950         AAB         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10951         AAB         SG NR DL (CP-OFDM, TM 31, 15 MHz	53 NR FR1 FDD	5.87	±9.6
10846         AAC         SG NR (DFT+-OFDM, 100% RB, 30 MHz, QPSK, 15 Hz)           10950         AAC         SG NR (DFT+-OFDM, 100% RB, 30 MHz, QPSK, 15 Hz)           10951         AAD         SG NR (DFT+-OFDM, 100% RB, 30 MHz, QPSK, 15 Hz)           10952         AAA         SG NR (DFT+-OFDM, 100% RB, 30 MHz, QPSK, 15 Hz)           10952         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, GPSK, 15 Hz)           10953         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 Hz)           10954         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 Hz)           10955         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10957         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10958         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10959         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 Hz)           10959         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 Hz)           10950         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10950         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10951         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-Q	5G NR FR1 FDO	5.94	±9.6
10950         AAC         SG NR (DFTe-OFDM, 100% RB, 40 MHz, QPSK, 15 HHz)           10951         AAD         SG NR (DFTe-OFDM, 100% RB, 50 MHz, QPSK, 15 HHz)           10952         AAA         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 HHz)           10953         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 HHz)           10954         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 HHz)           10955         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 HHz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10956         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10957         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 HHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 HHz)           10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 HHz)           10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 Hz)           10966         AAB         SG NR DL (CP-OFDM, TM 3.1	5G NR FR1 FDD	5.87	19.6
10851         AAD         SG NR (DFTs-OFDM, 100% RB, S0 MHz, QPSK, 15 HHz)           10852         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 54-QAM, 15 HHz)           10853         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 54-QAM, 15 HHz)           10854         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 54-QAM, 15 HHz)           10855         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 54-QAM, 15 HHz)           10856         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 15 HHz)           10857         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10858         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10859         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10858         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10859         AAA         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10850         AAC         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10850         AAB         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 15 HHz)           10861         AAB         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10862         AAB         SG NR DL (CP-OFDM, TM 31, 15 MHz, 64-QAM, 30 HHz)           10864         AAC         SG NR DL (CP-OFDM, TM 31, 10 M	SG NR FR1 FDD	5.94	±0.0
10982         AAA         9G NR DL (CP-OFDM, TM 3.1, 5MH2, 64-QAM, 15kH2)           10983         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MH2, 64-QAM, 15kH2)           10984         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MH2, 64-QAM, 15kH2)           10985         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MH2, 64-QAM, 15kH2)           10986         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MH2, 64-QAM, 30 H92)           10986         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MH2, 64-QAM, 30 H92)           10987         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MH2, 64-QAM, 30 H92)           10986         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MH2, 64-QAM, 30 H92)           10987         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MH2, 64-QAM, 30 H92)           10988         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MH2, 64-QAM, 30 H92)           10980         AAC         5G NR DL (CP-OFDM, TM 3.1, 5 MH2, 64-QAM, 30 H92)           10980         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MH2, 64-QAM, 30 H92)           10981         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MH2, 64-QAM, 30 H12)           10982         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MH2, 64-QAM, 30 H12)           10984         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MH2, 64-QAM, 30 H12)           10985         AAB         5G NR DL (CP-OFDM, TM 3.1,	5G NR FR1 FDD	5.90	10.6
10983         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 54-GAM, 15 kHz)           10984         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 15 kHz)           10985         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 15 kHz)           10986         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10986         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10987         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10988         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10989         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10980         AAC         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10981         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10985         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10985         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10985         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-GAM, 30 kHz)           10985         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-GAM, 30 kHz)           10985         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-GAM, 30 kHz)           10986         AAB         SG NR DL (CP-O	5G NR FR1 FDD	8.25	19.6
10964         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)           10965         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)           10966         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)           10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)           10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)           10960         ACC         5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)           10961         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)           10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)           10963         AAB         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)           10964         ACC         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)           10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10966         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR DL (CP-OF	SG NR FB1 FDD	8.15	±9.6
10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 55 MHz)           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 35 MHz)           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 MHz)           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 MHz)           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 MHz)           10959         AAA         6G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 MHz)           10950         AAC         5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 MHz)           10961         AAB         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 MHz)           10965         AAB         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 MHz)           10966         AAB         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 MHz)           10967         AAB         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 MHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 MHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 MHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 MHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 MHz)           10968         AAB         SG NR DL (CP-OFD	SG NR FR1 FDD	8:23	28.0
10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 Hz)           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 Hz)           10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 Hz)           10950         AAC         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15 Hz)           10960         AAS         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15 Hz)           10961         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 35 Hz)           10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 35 Hz)           10963         AAB         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 Hz)           10964         AAC         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 Hz)           10965         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10966         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10967         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10968         AAB         5G NR ID (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 Hz)           10967         AAB         5G NR ID (CP-OFDM, TM 3.1, 10 MHz, 64-QAM,	SG NA FR1 FD0	8.42	19.6
19807         AAA         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           19868         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz)           19859         AAA         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz)           19860         AAC         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz)           19860         AAC         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)           19861         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)           19862         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)           19863         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)           19864         AAC         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz)           19865         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           19865         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           19865         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           19865         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           19865         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           19876         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           19878         AAB         SG NR ID, (CP-	SG NR FR1 FDD	6.14	19.6
10958         AAA         9G NR DL (CP-OFDM, TM 3.1, 15 MHz, 84-OAM, 30 kHz)           10959         AAA         6G NR DL (CP-OFDM, TM 3.1, 32 MHz, 64-OAM, 30 kHz)           10950         AAC         50 NR DL (CP-OFDM, TM 3.1, 32 MHz, 64-OAM, 30 kHz)           10961         AAB         56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)           10961         AAB         56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)           10961         AAB         56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)           10963         AAB         56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 35 kHz)           10964         AAC         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10965         AAB         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10964         AAC         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10965         AAB         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10966         AAB         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10967         AAB         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10978         AAB         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10977         AAB         56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)           10978         AAB         56 NR (CP-OFDM		8.31	- iteration
10959         AAA         BG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)           10960         AAC         BG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10961         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)           10962         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)           10963         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)           10964         AAC         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10966         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10978         AAB         SG NR DC (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10978         AAB         SG NR (CP-OFDM, 10 R,	SG NR FR1 FDD		29.6
10980         AAC         SO NR DL (CP-OFOM, TM 3.1, SMR2, 64-QAM, 15NH2)           10981         AAB         SG NR DL (CP-OFOM, TM 3.1, 10MR2, 64-QAM, 15NH2)           10982         AAB         SG NR DL (CP-OFOM, TM 3.1, 10MR2, 64-QAM, 15NH2)           10983         AAB         SG NR DL (CP-OFOM, TM 3.1, 10MR2, 64-QAM, 15NH2)           10985         AAB         SG NR DL (CP-OFOM, TM 3.1, 10MR2, 64-QAM, 15NH2)           10985         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR2, 64-QAM, 30NH2)           10986         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR2, 64-QAM, 30NH2)           10986         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR2, 64-QAM, 30NH2)           10986         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR2, 64-QAM, 30NH2)           10987         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR2, 64-QAM, 30NH2)           10987         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR2, 64-QAM, 30NH2)           10987         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR4, 64-QAM, 30NH2)           10987         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR4, 64-QAM, 30NH2)           10987         AAB         SG NR DL (CP-OFDM, TM 3.1, 10MR4, 64-QAM, 30NH2)           10978         AAB         SG NR IC (CP-OFDM, TM 3.1, 10MR4, CPSK, 30H4)           10978         AAB         SG NR IC (CP-OFDM, 1RB, 10MR4, CPSK, 30H4)	5G NR FR1 FD0	8.01	±9.0
19961         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 84-OAM, 15KHz)           19962         AAB         SG NEI DL (CP-OFDM, TM 3.1, 15MHz, 84-OAM, 15KHz)           19963         AAB         SG NEI DL (CP-OFDM, TM 3.1, 15MHz, 84-OAM, 15KHz)           19964         AAC         SG NEI DL (CP-OFDM, TM 3.1, 15MHz, 84-OAM, 15KHz)           19965         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19966         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19968         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19978         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19979         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19970         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19971         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19972         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19973         AAB         SG NEI DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30KHz)           19974         AAB         SG NEI CP-OFDM, 1 RB, 100MHz, 256-QAM, 30KHz)           19974         AAB         SG NEI CP-OFDM, 100%, RB, 100MHz, 256-QAM, 30KHz)           19975         AAA         ULLA BDR	5G NR FR1 FCO	8.33	28.6
10962         AAB         5G NR DL (CP-OFOM, TM 3.1, 15 MHz, 64-CAM, 15 kHz)           10963         AAB         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-CAM, 15 kHz)           10964         AAC         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-CAM, 30 kHz)           10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 30 kHz)           10966         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-CAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-CAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-CAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-CAM, 30 kHz)           10978         AAB         SG NR ICP-OFDM, TM 3.1, 100 MHz, GPSK, 15 kHz)           10973         AAB         SG NR ICP-OFDM, TB, 20 NHz, GPSK, 15 kHz)           10974         AAB         SG NR ICP-OFDM, TRB, 100 MHz, QPSK, 30 kHz)           10976         AAB         SG NR ICP-OFDM, TB, 100 MHz, QPSK, 30 kHz)           10977         AAB         SG NR ICP-OFDM, TB, 100 MHz, QPSK, 30 kHz)           10978         AAA         ULLA BDR           109	5G NR FR1 TDD	9.92	+9,4
10963         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)           10964         AAC         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10966         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR ID (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR ID (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10972         AAB         SG NR ID OFDHON, TM 3.1, 100 MHz, QPSK, 30 kHz)           10973         AAB         SG NR ICP-OFDM, 18B, 20 MHz, QPSK, 30 kHz)           10974         AAB         SG NR ICP-OFDM, 18B, 100 MHz, 256-QAM, 80 kHz)           10975         AAA         ULLA BDR           10976         AAA         ULLA BDR4           10980         AAA         ULLA HDR8	53 NR FR1 TOD	8.30	±9/
10964         AAC         SG NR DL (CP-OFDM, TM 3.1, 5 MRz, 64-QAM, 30kHz)           10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MRz, 64-QAM, 30kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MRz, 64-QAM, 30kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MRz, 64-QAM, 30kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MRz, 64-QAM, 30kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MRz, 64-QAM, 30kHz)           10972         AAB         SG NR [CP-OFDM, TM 3.1, 10 MRz, 64-QAM, 30kHz]           10972         AAB         SG NR [CP-OFDM, TM 3.1, 10 MRz, 64-QAM, 30kHz]           10973         AAB         SG NR [CP-OFDM, 1 RB, 20 MHz, QPSK, 16 kHz]           10974         AAB         SG NR [CP-OFDM, 100% RB, 100 MHz, 256 QAM, 30 kHz]           10975         AAA         ULLA BDR           10976         AAA         ULLA BDR           10978         AAA         ULLA BDR           10980         AAA         ULLA HDR4	5G NR FR1 TDD	9.40	±9.
10965         AAB         SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)           10966         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)           10972         AAB         SG NR ICP-OFDM, T AB.1, 20 MHz, GPSK, 15 kHz)           10973         AAB         SG NR (DF-SOFDM, 1 RB, 20 MHz, QPSK, 30 kHz)           10974         AAB         SG NR (DF-OFDM, 1 RB, 100 MHz, 256-CAM, 30 kHz)           10970         AAA         ULLA HDR4           10980         AAA         ULLA HDR4	50 NR FR1 TDD	8.55	29.1
10966         AAB         SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-GAM, 30 kHz)           10967         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-GAM, 30 kHz)           10968         AAB         SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-GAM, 30 kHz)           10972         AAB         SG NR IC (CP-OFDM, TM 3.1, 20 MHz, 64-GAM, 30 kHz)           10973         AAB         SG NR (CP-OFDM, TR, 20 MHz, GPSK, 15 kHz)           10973         AAB         SG NR (CP-OFDM, 17 MB, 20 MHz, GPSK, 15 kHz)           10973         AAB         SG NR (CP-OFDM, 17 MB, 100 MHz, GPSK, 30 kHz)           10974         AAB         SG NR (CP-OFDM, 17 MB, 100 MHz, 255 GAM, 30 kHz)           10976         AAA         ULLA BDR           10978         AAA         ULLA HDR4           10980         AAA         ULLA HDR8	SG NR FR1 TDD	9.29	±9.1
10967         AAB         9G NH DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 Hz)           10968         AAB         9G NH DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 Hz)           10972         AAB         9G NH (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 Hz)           10973         AAB         9G NH (CP-OFDM, 1 HB 20 MHz, QPSK, 16 Hz)           10974         AAB         9G NH (CP-OFDM, 1 HB, 100 MHz, QPSK, 30 Hz)           10974         AAB         9G NH (CP-OFDM, 100% RB, 100 MHz, 256 GAM, 86 Hz)           10976         AAA         ULLA BDR           10970         AAA         ULLA HDR4           10980         AAA         ULLA HDR4	5G NR FR1 TDD	9,97	±9.1
10968         AAB         \$G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30kHz)           10972         AAB         \$G NR (CP-OFDM, 1 RB, 2014Hz, QPSK, 15kHz)           10973         AAB         \$G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)           10974         AAB         \$G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)           10974         AAB         \$G NR (CP-OFDM, 1 RB, 100 MHz, 256-QAM, 30kHz)           10976         AAA         ULLA BDR           10978         AAA         ULLA HDR4           10980         AAA         ULLA HDR4	SG NR FR1 TDD	9.55	±9.)
10972         AAB         SG NR (CP-OFDM, 1 RB, 2014Hz, CPSK, 16 kHz)           10973         AAB         SG NR (CP-OFDM, 1 RB, 100 MHz, CPSK, 30 kHz)           10974         AAB         SG NR (CP-OFDM, 1 RB, 100 MHz, CPSK, 30 kHz)           10970         AAA         ULLA BDR           10978         AAA         ULLA HDR4           10980         AAA         ULLA HDR4	SG NR FR1 TDD	9:42	±9.0
10973 AAB SG NR (DFT-2-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 19974 AAB SG NR (CP-OFDM, 100%, RB, 100 MHz, 256 CAM, 30 kHz) 10979 AAA ULLA BDR 10980 AAA ULLA HDR4	5G NR FR1 TDD	9.49	19.6
10973 AAB 5G NR (DFFs-OFDM, 1 RB, 100MHz, QPSK, 30kHz) 10976 AAB 5G NR (CP-OFDM, 100%, RB, 100MHz, 255-CAM, 30kHz) 10976 AAA ULLA BDR 10980 AAA ULLA HDR4 10980 AAA ULLA HDR4	SG NR FR1 TDD	11.58	±9.6
19974 AAB SG NR (CP-OFDM, 100%, RB, 100 MHz, 256-QAM, 30 kHz) 19979 AAA ULLA BDR 19979 AAA ULLA HDR4 19980 AAA ULLA HDR4	5G NR FR1 TOD	9.06	±9.0
10976 AAA ULLA BDR 10978 AAA ULLA HDR4 10980 AAA ULLA HDR4	5G NR FR1 TDD	10.28	±9.0
10979 AAA ULLA HDR4 10980 AAA ULLA HDR0	ULLA	1.18	:9.6
10980 AAA ULLA HDRII	ULLA	8.58	+9.0
1.757721 (2005) 77600000000	ULLA	10.32	±9/
10301 SAM LULLA ILLIDE	ULLA	3.19	+0.0
10982 AAA ULLA HDRp8	ULLA	3.43	±B.

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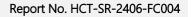
#### June 19, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10983	AAA,	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.31	+8.6
10984	AAA	5G NR EL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.42	+9.6
10.985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.54	±9.6
10.988	AAA	5G NR DL (CP-OFOM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TOD	9.50	+9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	19.6
10968	AAA	5G NR EL (CP-OFOM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.35	19.6
10969	AAA	EG NR DL (CP-OFOM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	SG NR FR1 TDD	8.33	+9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	0.52	+9.6
11003	AAA	50 NR DL (CP-OFOM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFOM, 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, 25MHz, 64-QAM, 15kHz)	5B NR FR1 FDD	8.70	+9.6
11006	AAA	5G NR DL (CP-OFOM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	0.55	+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-OFOM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	19.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 30kHz)	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	19.6
11011	AAA.	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	8.96	10.6
11012	AAA.	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.88	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	+86
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	B.45	195
11015	. 4,4,4,	IEEE 802.11ba (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAA.	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8,44	69.0
11017	AAA,	IEEE 802.11he (320 MHz, MCS5, 99pc duty cycle)	WLAN	B.41	+9.6
11018	AAA.	IEEE 802 11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	19.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	+9.5
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	19.6
11021	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.46	19.6
11022	AAA.	IEEE 802.11bo (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.30	+9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	+9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	B.42	±9.8
11025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	+0.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.29	198

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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Appendix G. – Dipole Calibration Data



eughausstrasse 43, 8004 Zurich, ocredited by the Swiss Accreditatio he Swiss Accreditation Service I fultilateral Agreement for the rec	an Service (SAS) a one of the signatorie		Servizio svizzero di taratura Swiss Calibration Service Accreditation No.: SCS 0108
lient HCT		Certificate No.	D750V3-1014_May23
Gyeonggi-do, Republic	c of Korea		
CALIBRATION CI	ERTIFICATI	E	12 12 12 12 12 12 12
Object	D750V3 - SN:10*	14	And the local division of
		6.F.	
Collection encoderate)	QA CAL-05.v12		
Calibration procedure(s)		dure for SAR Validation Sources	hotumon 0.7.2 GHz
	Galibration Proce	Nure for SAR validation Sources	between 0.7-3 GHz
Calibration date:	May 23, 2023		
Advoration date:	May 23, 2023		
		onal standards, which realize the physical unit	
ne measurements and the uncerta	inces with compance pi	robability are given on the following pages and	d are part of the certificate.
All calibrations have been conducte	d in the closed laborator	ry facility: environment temperature (22 ± 3)°C	and humidity < 70%.
Salibration Equipment used (M&TE	critical for calibration)		
himary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
ower meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
ower sensor NRP-291	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Neterence 20 dB Attenuator	SN: BH9384 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
ype-N mismatch combination	SN: 310082 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
Reference Probe EX3DV4	SN: 7349	10-Jan-23 (No. EX3-7349_Jan23)	Jan-24
XAE4	SN: 601	19-Dec-22 (No. DAE4-601_Dec22)	Dec-23
	ID #	Check Date (in house)	Scheduled Check
Secondary Standards		A THE REAL PROPERTY AND	and the second se
Construction of the Party of the construction	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
<sup>2</sup> ower meter E4419B	SN: GB39512475 SN: US37292783	30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	In house check: Oct-24 In house check: Oct-24
<sup>s</sup> ower meter E4419B <sup>s</sup> ower sensor HP 8481A	100 T T T T T T T T T T T T T T T T T T	30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24 In house check: Oct-24
Power meter E4419B Power sensor HP 8481A Power sensor HP 8461A RF generator R&S SMT-06	SN: US37292783 SN: MY41093315	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power meter E4419B Power sensor HP 8481A Power sensor HP 8461A RF generator R&S SMT-06	SN: US37292783 SN: MY41083315 SN: 100972 SN: US41080477	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Power meter E4419B Power sensor HIP 8481A Power sensor HIP 8461A Regenerator R&S SMT-06 Network Analyzer Agilent E8358A	SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22)	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature
Power meter E4419B Power sensor HIP 8481A Power sensor HIP 8481A IF generator R&S SMT-05 Network Analyzer Agilent E8358A	SN: US37292783 SN: MY41083315 SN: 100972 SN: US41080477	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature
rower meter E4419B Iower sensor HP 8481A Iower sensor HP 8481A IF generator R&S SMT-06 lietwork Analyzor Agilent E8358A	SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A IF generator F&S SMT-06 Network Analyzer Agilent E8358A Calibrated by:	SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name Michael Weber	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature
Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A IF generator F&S SMT-06 Network Analyzer Agilent E8358A Calibrated by:	SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature
Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A IF generator F&S SMT-06 Network Analyzer Agilent E8358A Calibrated by:	SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name Michael Weber	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature
Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A IF generator F&S SMT-06 Network Analyzer Agilent E8358A Calibrated by:	SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name Michael Weber	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature
Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A Power sensor HP 8481A IF generator R&S SMT-06 Network Analyzer Agilent E8358A Calibrated by:	SN: US37282783 SN: MY41093315 SN: U00772 SN: US41080477 Name Michael Weber Sven Köhn	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature A.M.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.
Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A Power sensor HP 8481A IF generator R&S SMT-06 Network Analyzer Agilent E8358A Calibrated by:	SN: US37282783 SN: MY41093315 SN: U00772 SN: US41080477 Name Michael Weber Sven Köhn	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature A.M.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.
Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A Calibrated by: Approved by:	SN: US37282783 SN: MY41093315 SN: U00772 SN: US41080477 Name Michael Weber Sven Köhn	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature
Power meter E4419B Power sensor HIP 8481A Power sensor HIP 8481A IF generator R&S SMT-06 Network Analyzer Agilent E8358A Salibrated by:	SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name Michael Weber Sven Kühn	07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 Signature A.M. S. C. S. C. Issued: May 23, 2023



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

ac-MR



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

Swiss Calibration Service Accreditation No.: SCS 0108

S

S

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

#### Glossary:

tissue simulating liquid
sensitivity in TSL / NORM x,y,z
not applicable or not measured

## Calibration is Performed According to the Following Standards:

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

#### Additional Documentation:

c) DASY System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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

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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	Modular Flat Phantom	
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	41.9	0.89 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) "C	40.7 ± 6 %	0.90 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		1002

### SAR result with Head TSL

SAR measured SAR for nominal Head TSL parameters	Condition	
SAR for nominal Head TSL parameters	250 mW input power	2.18 W/kg
	normalized to 1W	8.59 W/kg ± 17.0 % (k=2)
CAD and and the state of the state		
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	

SAR averaged over 10 cm* (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.42 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.62 W/kg ± 16.5 % (k=2)

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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	54.7 Ω + 3.7 jΩ	
Return Loss	- 24.8 dB	

#### General Antenna Parameters and Design

Electrical Delay (one direction)	1.038 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 TSL**

Date: 23.05.2023

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN: 1014

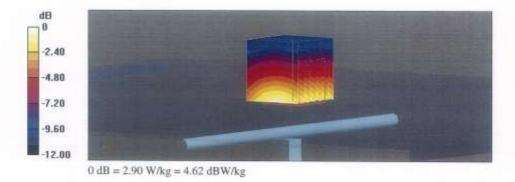
Communication System: UID 0 - CW; Frequency: 750 MHz Medium parameters used: f = 750 MHz;  $\sigma$  = 0.9 S/m;  $\varepsilon_{c}$  = 40.7;  $\rho$  = 1000 kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(10.11, 10.11, 10.11) @ 750 MHz; Calibrated: 10.01.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- · Electronics: DAE4 Sn601; Calibrated: 19.12.2022
- Phantom: Flat Phantom 4.9 (front); Type: QD 00L P49 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

### Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 61.58 V/m; Power Drift = -0.07 dB Peak SAR (extrapolated) = 3.34 W/kg SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.42 W/kg Smallest distance from peaks to all points 3 dB below = 17.1 mm Ratio of SAR at M2 to SAR at M1 = 64.9% Maximum value of SAR (measured) = 2.90 W/kg



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## Impedance Measurement Plot for Head TSL

				(	4	X		A		0800 M 760.99 0800 M	pH	3.72 57.554	
				0	C	X	È	Į	ý				
CN111 10.00 5.00 0.00	Ch 1 Avrg = Itawr 150,000	20 MHz -	_				>	1 7	250.đ0	0000 M	_	4kep 950.0 24.79	
10.00 5.00 -5.00 -10.05 -15.09 -20.05 -23.00 -33.00 -35.00	tawa 150.000		-				*		250.00	10000 M	_	-	

Certificate No: D750V3-1014\_May23

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Engineering AG eughausstrasse 43, 8004 Zurich	, Switzerland		Servizio svizzero di taratura
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Gyeonggi-do, Republi	c of Korea	Certificate No.	D835V2-441_Apr24
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Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



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

Accreditation No.: SCS 0108

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

#### Glossary:

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

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

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

#### Additional Documentation:

c) DASY System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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

Certificate No: D835V2-441\_Apr24

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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	Modular Flat Phantom	
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	42.6±6%	0.93 mha/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	1200	2010 B.C.

### SAR result with Head TSL

SAR averaged over 1 cm3 (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.48 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.73 W/kg ± 17.0 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL SAR measured	condition 250 mW input power	1.62 W/kg

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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.5 Ω - 2.5 jΩ	
Return Loss	- 31.7 dB	

#### General Antenna Parameters and Design

Electrical Delay (one direction)	1.374 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

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

Date: 18.04.2024

Test Laboratory: SPEAG, Zurich, Switzerland

### DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:441

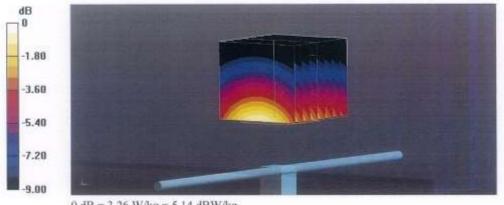
Communication System: UID 0 - CW; Frequency: 835 MHz Medium parameters used: f = 835 MHz;  $\sigma$  = 0.93 S/m;  $\epsilon_e$  = 42.6;  $\rho$  = 1000 kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(9.69, 9.69, 9.69) @ 835 MHz; Calibrated: 03.11.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.01.2024
- · Phantom: Flat Phantom 4.9 (front); Type: QD 00L P49 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

## Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm/Zoom Scan (8x8x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 63.37 V/m; Power Drift = 0.00 dB Peak SAR (extrapolated) = 3.71 W/kg SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.62 W/kg Smallest distance from peaks to all points 3 dB below = 16 mm Ratio of SAR at M2 to SAR at M1 = 66.8% Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 3.26 W/kg = 5.14 dBW/kg

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## Impedance Measurement Plot for Head TSL

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Certificate No: D835V2-441\_Apr24

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



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Accreditation No.: SCS 0108

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

#### Glossary:

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

## Calibration is Performed According to the Following Standards:

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

#### Additional Documentation:

c) DASY System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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

Certificate No: D1800V2-2d007\_Apr24

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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	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1800 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	40.8 ± 6 %	1.39 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °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	9.67 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	39.0 W/kg ± 17.0 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL SAR measured	condition 250 mW input power	5.08 W/kg

Certificate No: D1800V2-2d007\_Apr24

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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	45.9 Ω - 7.0 jΩ
Return Loss	- 21.5 dB

#### General Antenna Parameters and Design

Electrical Delay (one direction)	1 203 ns	
Electrical Delay (one direction)	11200110	

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**

Date: 15.04.2024

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d007

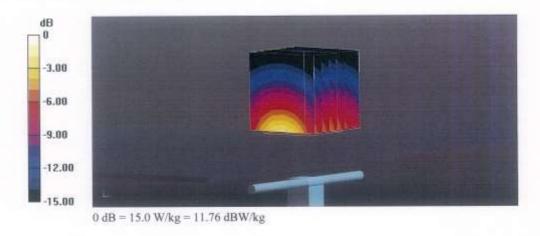
Communication System: UID 0 - CW; Frequency: 1800 MHz Medium parameters used: f = 1800 MHz;  $\sigma$  = 1.39 S/m;  $\epsilon_r$  = 40.8;  $\rho$  = 1000 kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(8.63, 8.63, 8.63) @ 1800 MHz; Calibrated: 03.11.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.01.2024
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 109.6 V/m; Power Drift = 0.05 dB Peak SAR (extrapolated) = 17.9 W/kg SAR(1 g) = 9.67 W/kg; SAR(10 g) = 5.08 W/kg Smallest distance from peaks to all points 3 dB below = 10 mm Ratio of SAR at M2 to SAR at M1 = 54.5% Maximum value of SAR (measured) = 15.0 W/kg

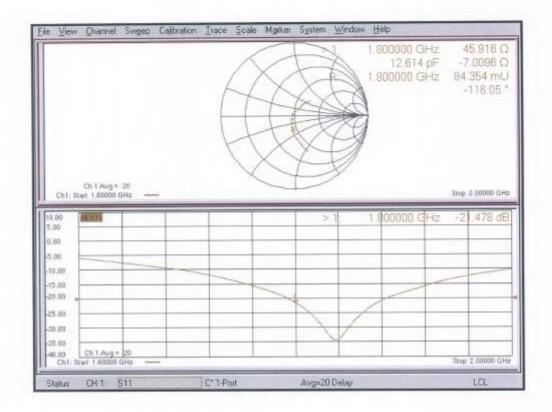


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## Impedance Measurement Plot for Head TSL



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1924	MENTON STREET	Certificate	No. D1900V2-5d032_Jan24
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Object			
	D1900V2 - SN:50	1032	
Calibration procedure(s)	QA CAL-05.v12		
	Calibration Proce	dure for SAR Validation Source	ces between 0.7-3 GHz
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Calibration date:	January 18, 2024	5W/	
		mal standards, which realize the physica	1 Sector and
Primery Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
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Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
rower sensor NRP-ZB1 Reference 20 dB Attenuator	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
	SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	
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Probe EX3DV4 DAE4 Recondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A Regenerator R&S SMT-06	SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972	03-Nov-23 (No. EX3-7349_Nov23) 03-Oct-23 (No. DAE4-601_Oct23) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22)	Mar-24 Nov-24 Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315	03-Nov-23 (No. EX3-7349_Nov23) 03-Oct-23 (No. DAE4-601_Oct23) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Mar-24 Nov-24 Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A Fr generator R&S SMT-06 Network Analyzer Agilent E8358A	SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name	03-Nov-23 (No. EX3-7349_Nov23) 03-Oct-23 (No. DAE4-601_Oct23) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22)	Mar-24 Nov-24 Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A Fr generator H8 SSMT-06 Network Analyzer Agilent E8358A	SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477	03-Nov-23 (No. EX3-7349_Nov23) 03-Oct-23 (No. DAE4-601_Oct23) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	Mar-24 Nov-24 Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agitent E8358A Calibrated by:	SN: 7349 SN: 601 ID # SN: GB38612475 SN: US37292783 SN: US37292783 SN: 100972 SN: 100972 SN: US41080477 Name Paulo Pina	03-Nov-23 (No. EX3-7349_Nov23) 03-Oct-23 (No. DAE4-601_Oct23) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	Mar-24 Nov-24 Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agient E8358A Calibrated by:	SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name	03-Nov-23 (No. EX3-7349_Nov23) 03-Oct-23 (No. DAE4-601_Oct23) Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function	Mar-24 Nov-24 Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24

Certificate No: D1900V2-5d032\_Jan24

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



S Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

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

# Glossary:

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

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

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

#### Additional Documentation:

c) DASY System Handbook

## Methods Applied and Interpretation of Parameters:

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

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

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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	Modular Flat Phantom	
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	41.3 ± 6 %	1.40 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		2

# 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	9.97 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	40.2 W/kg ± 17.0 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL SAR measured	condition 250 mW input power	5.22 W/kg

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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.2 Ω + 6.8 jΩ	
Return Loss	- 23.4 dB	

#### General Antenna Parameters and Design

	1 100
Electrical Delay (one direction)	1.182 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 TSL**

Date: 18.01.2024

Test Laboratory: SPEAG, Zurich, Switzerland

## DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d032

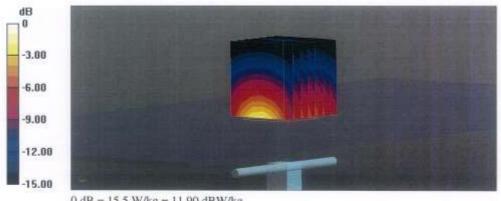
Communication System: UID 0 - CW; Frequency: 1900 MHz Medium parameters used: f = 1900 MHz;  $\sigma = 1.4$  S/m;  $\varepsilon_t = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(8.43, 8.43, 8.43) @ 1900 MHz; Calibrated: 03.11.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 03.10.2023
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 109.9 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 18.3 W/kg SAR(1 g) = 9.97 W/kg; SAR(10 g) = 5.22 W/kg Smallest distance from peaks to all points 3 dB below = 9.8 mm Ratio of SAR at M2 to SAR at M1 = 54.9% Maximum value of SAR (measured) = 15.5 W/kg



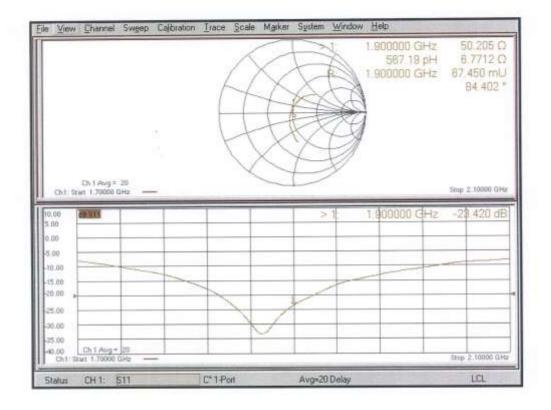
0 dB = 15.5 W/kg = 11.90 dBW/kg

Certificate No: D1900V2-5d032\_Jan24

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# Impedance Measurement Plot for Head TSL



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Multilateral Agreement for the re	cognition of calibration	certificates	
Client HCT		Certificate No.	D2600V2-1015_Apr24
Gyeonggi-do, Repub	lic of Korea		
CALIBRATION C	ERTIFICAT	E	
JALIDHATION C	CITITITICATI	2 1 1	
Object	D2600V2 - SN:10	D1211	n
o open.	U2000V2 - 3N. 1	VI3 X 3-12	N
		491494 5- 1-1	24 65 14/24
Calibration procedure(s)	QA CAL-05.v12	1 A 20485.0	2024 45 67
	Calibration Proce	edure for SAR Validation Sources	s between 0.7-3 GHz
			and a second
Calibration date:	April 22, 2024		
Il calibrations have been conduct	ed in the closed laborator	robability are given on the following pages an ry facility: environment temperature ( $22 \pm 3$ ) $\%$	
Il calibrations have been conduct	ed in the closed laborator		
ul calibrations have been conduct adibration Equipment used (M&TI Wimary Standards	ed in the closed laborator E critical for calibration)	ry facility: environment temperature (22 ± 3)*0 Cal Date (Certificate No.)	
ul calibrations have been conduct adibration Equipment used (M&TI Wimary Standards Yower meter NRP2	ed in the closed laborator E critical for calibration) ID # SN: 104778	Cal Date (Certificate No.) 26-Mar-24 (No. 217-04036/04037)	C and humidity < 70%, Scheduled Calibration Mar-25
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VI calibrations have been conduct Calibration Equipment used (M&TI Primary Standards Power meter NRP2 Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator	ed in the closed laborator E critical for calibration) ID # SN: 104778 SN: 103244 SN: 103245 SN: 103245 SN: BH9394 (20k)	Cal Data (Certificate No.) 26-Mar-24 (No. 217-04036/04037) 26-Mar-24 (No. 217-04036) 26-Mar-24 (No. 217-04036) 26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046)	C and humidity < 70%, Scheduled Calibration Mar-25 Mar-25 Mar-25 Mar-25 Mar-25
VI calibrations have been conduct Calibration Equipment used (M&Ti Primary Standards Prower meter NRP2 Power sensor NRP-291 Seference 20 dB Attenuator ype-N mismatch combination	ed in the closed laborator E critical for calibration) ID # SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 08327	Cal Date (Certificate No.) 26-Mar-24 (No. 217-04036/04037) 26-Mar-24 (No. 217-04036) 26-Mar-24 (No. 217-04036) 26-Mar-24 (No. 217-04037) 28-Mar-24 (No. 217-04046) 28-Mar-24 (No. 217-04047)	C and humidity < 70%. Scheduled Calibration Mar-25 Mar-25 Mar-25 Mar-25 Mar-25 Mar-25 Mar-25
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Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



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Accreditation No.: SCS 0108

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

#### Glossary:

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

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

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

## Additional Documentation:

c) DASY System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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

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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	Modular Flat Phantom	
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	37.4 ± 6 %	2.04 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °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	14.5 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	56.4 W/kg ± 17.0 % (k=2)
PAD surveyed over 40 and 140 at at the of TRI	and then	
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL SAR measured	condition 250 mW input power	6.41 W/kg

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

### Antenna Parameters with Head TSL

Impedance, transformed to feed point	48.4 Ω - 5.1 jΩ	
Return Loss	- 25.2 dB	

## General Antenna Parameters and Design

Electrical Delay (one direction)	1.150 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**

Date: 22.04.2024

Test Laboratory: SPEAG, Zurich, Switzerland

## DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1015

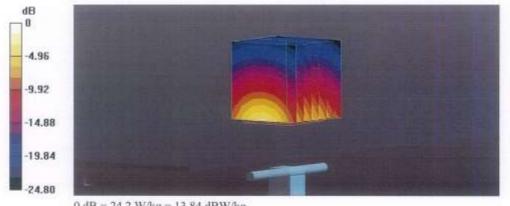
Communication System: UID 0 - CW; Frequency: 2600 MHz Medium parameters used: f = 2600 MHz;  $\sigma = 2.04 \text{ S/m}$ ;  $\epsilon_r = 37.4$ ;  $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.84, 7.84, 7.84) @ 2600 MHz; Calibrated: 03.11.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.01.2024
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501) ٠

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 119.3 V/m; Power Drift = 0.05 dB Peak SAR (extrapolated) = 29.4 W/kg SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.41 W/kg Smallest distance from peaks to all points 3 dB below = 9 mm Ratio of SAR at M2 to SAR at M1 = 49.4% Maximum value of SAR (measured) = 24.2 W/kg



0 dB = 24.2 W/kg = 13.84 dBW/kg

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# Impedance Measurement Plot for Head TSL

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Certificate No: D2600V2-1015\_Apr24

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



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

Accreditation No.: SCS 0108

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

# Glossary:

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

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

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

#### Additional Documentation:

c) DASY System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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

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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	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3500 MHz ± 1 MHz	

## Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.9	2.91 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.1 ± 6 %	2.90 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

# SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.50 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	65.1 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.48 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.6 W/kg ± 19.5 % (k=2)

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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	51.9 Ω - 3.8 jΩ
Return Loss	- 27.6 dB

## General Antenna Parameters and Design

Electrical Delay (one direction)	1.130 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 TSL

Date: 23.01.2024

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN:1132

Communication System: UID 0 - CW; Frequency: 3500 MHz Medium parameters used: f = 3500 MHz;  $\sigma = 2.9$  S/m;  $\epsilon_f = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.91, 7.91, 7.91) @ 3500 MHz; Calibrated: 07.03.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- · Electronics: DAE4 Sn601; Calibrated: 03.10.2023
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3500MHz/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 66.18 V/m; Power Drift = 0.08 dB Peak SAR (extrapolated) = 17.1 W/kg SAR(1 g) = 6.50 W/kg; SAR(10 g) = 2.46 W/kg Smallest distance from peaks to all points 3 dB below = 8.4 mm Ratio of SAR at M2 to SAR at M1 = 75.7% Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

Certificate No: D3500V2-1132 Jan24

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# Impedance Measurement Plot for Head TSL

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Certificate No: D3500V2-1132\_Jan24

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Client HCT Gyeonggi-do, Reput	olic of Korea	Certificate No	
CALIBRATION (	AND OT ROTED		- D3700V2-1105_Nov23
	CERTIFICAT	E	
Object	D3700V2 - SN:1	105	
Calibration procedure(s)	QA CAL-22.v7		
	Calibration Proce	edure for SAR Validation Source	s between 3-10 GHz
Calibration date:	November 20, 20	023	
This calibration certificate docum The measurements and the unce	ents the traceability to nati rtainties with confidence p	onal standards, which realize the physical u robability are given on the following pages a	nits of measurements (SI). nd are part of the certificate.
		ry facility: environment temperature (22 ± 3)	
Calibration Equipment used (M&)	E critical for calibration)		
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
Power sensor NRP-Z91	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Reference 20 dB Attenuator	SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
Type-N mismatch combination	SN: 310982 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
Reference Probe EX3DV4	SN: 3503	07-Mar-23 (No. EX3-3503_Mar23)	Mar-24
			DVIEL-524
	SN: 601	03-Oct-23 (No. DAE4-601_Oct23)	Oct-24
DAE4	SN: 601	28-361223342.555 05	Oct-24
DAE4 Secondary Standards	10000	Check Date (in house)	Oct-24 Scheduled Check
DAE4 Secondary Standards Power meter E44198	ID#	Check Date (in house) 30-Oct-14 (in house check Oct-22)	Oct-24 Scheduled Check In house check: Dct-24
DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A	ID # SN: GB39512475	Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24
DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A	ID # SN: GB39512475 SN: US37292783	Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	ID # SN: GB39612475 SN: US37292783 SN: MY41093315 SN: 100972	Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Oct-24 Scheduled Check In house check: Oct-24 In house check: Oct-24
DAE4 Secondary Standards Power mater E44198 Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	ID # SN: GB39612475 SN: US37292783 SN: MY41093315 SN: 100972	Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	Oct-24 Schedulied Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A	ID # SN: GB39612475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name	Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function	Oct-24 Schedulied Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
DAE4 Secondary Standards Power meter E44198 Power sensor HP 8481A	ID # SN: GB39612475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477	Check Date (in house) 30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22)	Oct-24 Schedulied Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24

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



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S Schweizerischer Kalibrierdienst C Service sulsse d'étalonnage

Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

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

# Glossary:

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

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

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

#### Additional Documentation:

c) DASY System Handbook

# Methods Applied and Interpretation of Parameters:

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

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

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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	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3700 MHz ± 1 MHz	

Head TSL parameters The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.7	3.12 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.1 ± 6 %	3.06 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	1111	1

## SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.66 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	67.1 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	candition	
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL SAR measured	condition 100 mW input power	2.43 W/kg

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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	45.8 Ω - 0.6 jΩ
Return Loss	- 27,0 dB

#### General Antenna Parameters and Design

Electrical Delay (one direction)	1.139 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 TSL**

Date: 20.11.2023

Test Laboratory: SPEAG, Zurich, Switzerland

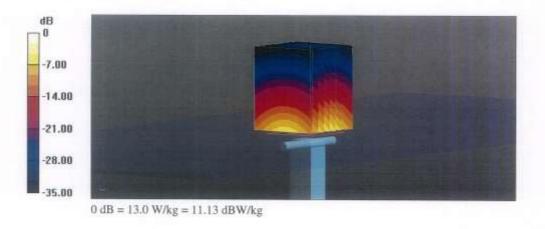
## DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2 - SN:1105

Communication System: UID 0 - CW; Frequency: 3700 MHz Medium parameters used: f = 3700 MHz;  $\sigma = 3.06$  S/m;  $\varepsilon_e = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.73, 7.73, 7.73) @ 3700 MHz; Calibrated: 07.03.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 03.10.2023
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3700MHz/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 68.83 V/m; Power Drift = 0.08 dB Peak SAR (extrapolated) = 18.2 W/kg SAR(1 g) = 6.66 W/kg; SAR(10 g) = 2.43 W/kg Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 74.7% Maximum value of SAR (measured) = 13.0 W/kg



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# Impedance Measurement Plot for Head TSL

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chmid & Partner Engineering AG ughausstrasse 43, 8004 Zurich,	Of Switzerland		C Service suis Servizio sviz	cher Kalibrierdienst se d'étalonnage zero di taratura ation Service
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Certificate No: D3900V2-1086\_May24

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Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

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

#### Glossary:

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

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

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

ac-MR

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

#### Additional Documentation:

c) DASY System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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

Certificate No: D3900V2-1086\_May24

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Accesditation No.: SCS 0108



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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	44.0 Ω - 5.7 jΩ
Return Loss	- 21,1 dB

## General Antenna Parameters and Design

Electrical Delay (one direction)	1.099 ns
Lieutilual Delay (0)e unecioni)	1.0000130

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**

Date: 21.05.2024

Test Laboratory: SPEAG, Zurich, Switzerland

## DUT: Dipole 3900 MHz; Type: D3900V2; Serial: D3900V2 - SN:1086

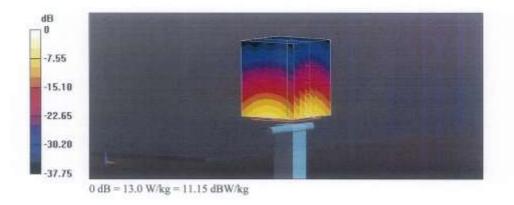
Communication System: UID 0 - CW; Frequency: 3900 MHz Medium parameters used: f = 3900 MHz;  $\sigma$  = 3.26 S/m;  $\epsilon_r$  = 38.1;  $\rho$  = 1000 kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.32, 7.32, 7.32) @ 3900 MHz; Calibrated: 07.03.2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn781; Calibrated: 16.02.2024
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

#### Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3900MHz/Zoom Scan,

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 69.07 V/m; Power Drift = 0.08 dB Peak SAR (extrapolated) = 18.4 W/kg SAR(1 g) = 6.72 W/kg; SAR(10 g) = 2.35 W/kg Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 74.9% Maximum value of SAR (measured) = 13.0 W/kg



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## Impedance Measurement Plot for Head TSL

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ht: Stwit 3.70000 GHz		>1	3.900000 CHiz	
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0 48 631			3.900000 GHz	
0 48 631			3 900000 GHz	
0 48 631			3.900000 CHz	
0 48 631			3.900000 CH2	

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