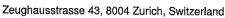
Schmid & Partner Engineering AG







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Swiss Calibration Service

Accreditation No.: SCS 0108

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The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Client

Element

Certificate No

EUmm-9523_Jan23

CALIBRATION CERTIFICATE

Object

EUmmWV4 - SN:9523

Calibration procedure(s)

QA CAL-02.v9, QA CAL-25.v8, QA CAL-42.v3

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

evaluations in air

Calibration date

January 16, 2023

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3) °C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power sensor NRP110T	SN: 101244	14-Mar-22 (No. 20A1037915)	Mar-23
Spectrum analyzer FSV40	SN: 101832	25-Jan-22 (No. 4030-315003399)	Jan-25
Ref. Probe EUmmWV3	SN: 9374	03-Jan-23 (No. EUmmWV3-9374 Jan23)	Jan-24
DAE4	SN: 789	03-Jan-23 (No. DAE4-789 Jan23)	Jan-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Generator APSIN26G	SN: 669	28-Mar-17 (in house check May-22)	In house check: May-23
Generator Agilent E8251A	SN: US41140111	28-Mar-17 (in house check May-22)	In house check: May-23

Name

Function

Signature

Calibrated by

Leif Klysner

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: January 19, 2023

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

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





C

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Glossary

NORMx,y

sensitivity in free space

DCP

diode compression point

CF A. B. C. D crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization ω

 ϕ rotation around probe axis

Polarization ∂

 ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is

normal to probe axis

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

k

is the wave propagation direction

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y: Assessed for E-field polarization $\vartheta = 0$ ($f \le 900\,\text{MHz}$ in TEM-cell; $f > 1800\,\text{MHz}$: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCPx,y: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
 - Note: As the field is measured with a diode detector sensor, it is warrantied that the probe response is linear (E²) below the documented lowest calibrated value.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R_p, inductance L and capacitors C, C_p).
- Ax,y; Bx,y; Cx,y; Dx,y; VRx,y: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- · Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

EUmmWV4 - SN:9523

Parameters of Probe: EUmmWV4 - SN:9523

Basic Calibration Parameters

	Sensor X	Sensor Y	Unc (k = 2)
Norm $(\mu V/(V/m)^2)$	0.01704	0.01865	±10.1%
DCP (mV) ^B	105.8	105.0	±4.7%
Equivalent Sensor Angle	-61.6	35.6	

Calibration Results for Frequency Response (750 MHz – 110 GHz)

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k = 2) dB
0.75	77.2	-0.34	-0.25	±0.43
1.8	1.8 140.4		-0.04	±0.43
2.0	133.0	0.12	0.13	±0.43
2.2	124.8	-0.05	-0.04	±0.43
2.5	123.0	0.10	0.14	±0.43
3.5	256.2	-0.09	-0.06	±0.43
3.7	249.8	0.14	0.13	±0.43
6.6	76.1	0.41	0.21	±0.98
8.0	68.3	0.29	0.21	±0.98
10.0	67.5	0.29	0.30	±0.98
15.0	55.3	0.58	0.55	±0.98
26.6	114,9	0.30		
30.0	121.2	0.30	0.27	±0.98
35.0	119.8	I	0.31	±0.98
40.0	105.8	0.37 0.36	0.40	±0.98
70.0	103.6	0.36	0.38	±0.98
50.0	60.5	0.25	0.23	±0.98
55.0	75.8	0.04	0.05	±0.98
60.0	80.0	0.01	0.01	±0.98
65.0	77.7	-0.00	0.03	±0.98
70.0	73.8	0.12	0.09	±0.98
75.0	73.2	-0.18	0.24	±0.98
75.0	80.8	0.11	0.06	±0.98
80.0	79.9	-0.40	-0.41	±0.98
85.0	47.6	-0.47	-0.50	±0.98
90.0	72.3	-0.23	-0.23	±0.98
92.0	72.0	-0.11	-0.10	±0.98
95.0	·		-0.03	±0.98
97.0	1 1		-0.01	±0.98
100.0	55.0	-0.02 0.04	0.01	±0.98
105.0	53.0	-0.20	-0.20	±0.98
110.0	61.1	0.04	-0.03	±0.98

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%.

^B Linearization parameter uncertainty for maximum specified field strength.

EUmmWV4 - SN:9523 January 16, 2023

Parameters of Probe: EUmmWV4 - SN:9523

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√ μV		dB	mV	dev.	Unc ^E
						ļ			k = 2
0	CW	Х	0.00	0.00	1.00	0.00	106.0	±3.5%	±4.7%
		Υ	0.00	0.00	1.00		85.0		
10352	Pulse Waveform (200Hz, 10%)	X	1.77	60.00	14.23	10.00	6.0	±1.3%	±9.6%
		Y	1.73	60.00	15.10		6.0		
10353	Pulse Waveform (200Hz, 20%)	X	4.00	72.00	17.00	6.99	12.0	±1.0%	±9.6%
		Υ	1.19	60.00	14.09		12.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.71	60.00	12.02	3.98	23.0	±1.1%	±9.6%
		Y	0.73	60.00	12.87		23.0		
10355	Pulse Waveform (200Hz, 60%)	Х	0.47	60.00	11.17	2.22	27.0	±0.9%	±9.6%
		Y	0.50	60.00	11.86		27.0		
10387	QPSK Waveform, 1 MHz	X	1.11	60.00	11.65	1.00	22.0	±1.5%	±9.6%
		Y	1.18	60.00	11.87		22.0		
10388	QPSK Waveform, 10 MHz	X	1.31	60.00	11.68	0.00	22.0	±0.9%	±9.6%
		Y	1.35	60.00	11.79	1	22.0		
10396	64-QAM Waveform, 100 kHz	X	2.35	63.14	15.23	3.01	17.0	±0.6%	±9.6%
		Y	2.02	60.00	13.73	ĺ	17.0		
10399	64-QAM Waveform, 40 MHz	Х	2.11	60.00	12.24	0.00	19.0	±0.8%	±9.6%
		Y	2.13	60.00	12.36]	19.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	Х	3.19	60.00	12.69	0.00	12.0	±0.8%	±9.6%
		Υ	3.22	60.00	12.81		12.0		

Note: For details on UID parameters see Appendix

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

Parameters of Probe: EUmmWV4 - SN:9523

Calibration Results for Linearity Response

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (<i>k</i> = 2) dB
0.9	50.0	-0.06	-0.06	±0.2
0.9	100.0	-0.06	0.08	±0.2
0.9	500.0	0.02	-0.02	±0.2
0.9	1000.0	0.05	-0.00	±0.2
0.9	1500.0	0.05	-0.01	±0.2
0.9	2100.0	0.03	-0.02	±0.2

Sensor Frequency Model Parameters (750 MHz - 55 GHz)

	Sensor X	Sensor Y
R (Ω)	60.85	76.64
R _p (Ω)	78.39	99.90
L (nH)	0.07611	0.09167
C (pF)	0.2975	0.2921
Cp (pF)	0.0865	0.0726

Sensor Frequency Model Parameters (55 GHz - 110 GHz)

	Sensor X	Sensor Y
R (Ω)	66.61	33.60
R _p (Ω)	347.43	166.10
L (nH)	0.19859	0.09394
C (pF)	0.0210	0.0473
C _p (pF)	0.0228	0.0516

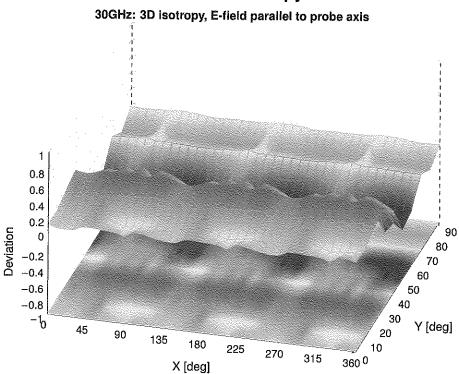
Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms V ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
Х	39.5	281.63	32.62	0.92	3.33	5.00	0.00	0.99	1.01
У	43.7	313.86	33.13	2.66	3.76	5.02	0.00	1.46	1.01

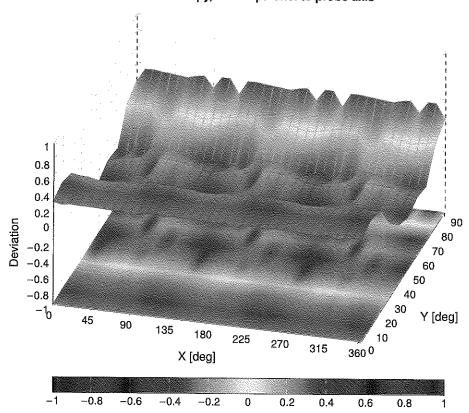
Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle	-67.3°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm

Deviation from Isotropy in Air



60GHz: 3D isotropy, E-field parallel to probe axis



Probe isotropy for E_{tot} : probe rotated $\phi=0^\circ$ to 360°, tilted from field propagation direction \vec{k} Parallel to the field propagation ($\psi=0^\circ-90^\circ$) at 30 GHz: deviation within ± 0.36 dB Parallel to the field propagation ($\psi=0^\circ-90^\circ$) at 60 GHz: deviation within ± 0.38 dB

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	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	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036		IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3) IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.77	±9.6
10038	CAB	CDMA2000 (1xRTT, RC1)	Bluetooth	4.10	±9.6
10039	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	CDMA2000	4.57	±9.6
10042	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	7.78	±9.6
10044	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	AMPS	0.00	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Poulie Slot, 12)	DECT	13.80	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	DECT	10.79	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	TD-SCDMA	11.01	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM WLAN	6.52	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	2.83 3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	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	±9.6
10069	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099 10100	DAC CAF	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.42	±9.6
10102	CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD	10.01	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	5.80	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD LTE-FDD	6.43	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
		(L1 L-1-DD	6.44	±9.6

UID	Rev	Communication System Name		DAD (ID)	
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Group	PAR (dB)	Unc ^E k = 2
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	6.62	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.10 8.46	±9,6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6 ±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9,6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6,60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CALL	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	6.56	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	5.82	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.43	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.58	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.46	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.21	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.79 5.73	±9.6 ±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6,52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	6.50	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	LTE-FDD	6.50	±9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN WLAN	8.09	±9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.12 8.21	±9.6
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CÁD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	10.25	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TOD	9.19	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TOD	9.48	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-TDD	10.25	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.21 9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 ±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9,21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAE	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	10.06	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.30	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TOD	9.91	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6 ±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9,24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	10.08	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TOD	9.34	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.98	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TOD	9.97	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD LTE-TDD	9.24	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6 ±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH		LTE-TOD	10.07	±9.6
10267	CAH	(· · · · · · · · · · · · · · · · · · ·	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269 10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	4.87	±9.6
10277	CAA	PHS (QPSK)	WCDMA	3.96	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS PHS	11.81	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	12.18 3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	AAA AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.57	±9.6
10304	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
10305	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	11.86 15.24	±9.6
10306	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	15.24	±9.6
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10307 AAA IEEE 802.16 WIMAX (29:18, 1 Oms, 10 MHz, 162AM, PUSC) WIMAX 14.48 10308 AAA IEEE 802.16 WIMAX (29:18, 1 Oms, 10 MHz, 162AM, AMC 2x3, 18 symbols) WIMAX 14.48 10309 AAA IEEE 802.16 WIMAX (29:18, 1 Oms, 10 MHz, 162AM, AMC 2x3, 18 symbols) WIMAX 14.58 10310 AAA IEEE 802.16 WIMAX (29:18, 1 Oms, 10 MHz, 162AM, AMC 2x3, 18 symbols) WIMAX 14.57 WIMAX 14.57 WIMAX IEEE 802.16 WIMAX (29:18, 1 Oms, 10 MHz, QPSK, AMC 2x3, 18 symbols) WIMAX 14.57 WIMAX 14.57 WIMAX IEEE 802.110 WIFI 2.4 GHz (DSS, 1 Mbps, 96pc duty cycle) WIMAX 14.58 WIMAX IEEE 802.110 WIFI 2.4 GHz (DSS, 1 Mbps, 96pc duty cycle) WIMAX 1.71	UncE k = 2 ±9.6
10398 AAA	#9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6
10309 AAA	±9.6 ±9.6
10310 AAA LEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK)	#9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6
10311 AAE LITE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK) LITE-FDD 6.06	±9.6 ±9.6
10313 AAA IDEN 1:8 IDEN 10.51 10.5	#9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6
10314 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) WLAN 1.71 10316 AAB IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 10317 AAD IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 10317 AAD IEEE 802.11g WiFi 2.6 Hz (OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 10352 AAA Pulse Waveform (200Hz, 10%) Generic 6.99 10353 AAA Pulse Waveform (200Hz, 40%) Generic 6.99 10354 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 10358 AAA Pulse Waveform (200Hz, 80%) Generic 2.22 10358 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 10387 AAA OFSK Waveform, 1 MHz Generic 5.10 10388 AAA OFSK Waveform, 1 MHz Generic 5.22 10399 AAA 64-QAM Waveform, 100 Hz Generic 6.27 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 10400 AAE IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10402 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 10405 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 5.22 10410 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10411 AAA ILEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.53 10401 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 5.22 10416 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.41 10429 AAC IEEE 802.11b (HT Greenfield, 7.2 Mbps, 64-QA	±9.6 ±9.6
10315 AAB IEEE 802.119 WIFI 2.4 GHz (DSSS, 1Mpps, 96pc duty cycle) WLAN 1.71 10316 AAB IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6Mbps, 96pc duty cycle) WLAN 8.36 10352 AAA IEEE 802.11a WIFI 5 GHz (OFDM, 6Mbps, 96pc duty cycle) WLAN 8.36 10352 AAA Pulse Waveform (200Hz, 10%) Generic 6.99 10353 AAA Pulse Waveform (200Hz, 20%) Generic 6.99 10354 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 10355 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 10356 AAA Pulse Waveform (200Hz, 80%) Generic 2.22 10356 AAA Pulse Waveform (200Hz, 80%) Generic 2.22 10356 AAA Pulse Waveform (200Hz, 80%) Generic 5.10 10357 AAA Pulse Waveform (200Hz, 80%) Generic 5.10 10368 AAA OPSK Waveform, 10MHz Generic 5.10 10398 AAA OPSK Waveform, 10MHz Generic 5.22 10399 AAA 64-QAM Waveform, 40MHz Generic 6.27 10400 AAE IEEE 802.11ac WIFI (20MHz, 84-QAM, 99pc duty cycle) WLAN 8.37 10401 AAE IEEE 802.11ac WIFI (80MHz, 84-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10405 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10414 AAA IEEE 802.11ac WIFI (80 MHz, 84-QAM, 99pc duty cycle) WLAN 8.53 10415 AAA IEEE 802.11ac WIFI (80 MHz, 84-QAM, 99pc duty cycle) WLAN 8.53 10416 AAA CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10416 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, OFDM, 6Mbps, 99pc duty cycle) WLAN 8.23 10417 AAA IEEE 802.11ac WIFI (34 MHz, 94-QAM, 94pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11ac WIFI (34 MHz, 94-QAM, 94pc duty cycle) WLAN 8.23 10419 AAA IEEE 802.11ac WIFI (34 MHz, 94-QAM, 94pc duty cycle) WLAN 8.24 10419 AAA IEEE 802.11ac WIFI (34 MHz, 94-QAM, 94pc duty cycle) WLAN 8.24 10419 AAA IEEE 802.11ac WIFI (34 MHz, 94-QAM, 94pc duty cycle) WLAN	#9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6
10316 AAB IEEE 802.11a WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) WILAN 8.36 10352 AAA Pulse Waveform (200Hz, 1036) Generic 10.00 Generic 6.99 Generic 6.97 Generic 6.99 Generic 6.27 Generic Generic 6.27 Generic Generic Gener	#9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6
10317 AAD IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle) WLAN 8.36 10352 AAA Pulse Waveform (200Hz, 20%) Generic 10.00 Generic 6.99 10353 AAA Pulse Waveform (200Hz, 20%) Generic 3.98 10355 AAA Pulse Waveform (200Hz, 20%) Generic 3.98 10355 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 10356 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 10387 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 10387 AAA QPSK Waveform, 10MHz Generic 5.10 Generic 5.10 Generic 5.22 10399 AAA GPSK Waveform, 10MHz Generic 6.27 10399 AAA 64-QAM Waveform, 100Hz Generic 6.27 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 10400 AAE IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 10402 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (18EV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (18EV-DO, Rev. 0) CDMA2000 3.77 10408 AAB CDMA2000 (18EV-DO, Rev. 0) CDMA2000 3.77 10408 AAB CDMA2000 (18EV-DO, Rev. A)	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10352 AAA Pulse Waveform (200Hz, 10%) Generic 10.00	#9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6
10353 AAA Pulse Waveform (200Hz, 20%) Generic 6.99	#9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6 #9.6
10355 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 10355 AAA Pulse Waveform (200Hz, 60%) Generic 2.22 10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 10387 AAA OPSK Waveform, 1 MHz Generic 5.10 10388 AAA OPSK Waveform, 10 MHz Generic 5.22 10398 AAA AAA Generic 6.27 10399 AAA 64-QAM Waveform, 100 kHz Generic 6.27 10400 AAE IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAE IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10405 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 10410 AAH LTE-TDD (SC-PDMA, 1 RB, 1 D MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 10411 AAA LTE-TDD (SC-PDMA, 1 RB, 1 D MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 10412 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10413 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.23 10420 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 84-QAM) WLAN 8.41 10421 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 84-QAM) WLAN 8.45 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 84-QAM) WLAN 8.45 10423 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 84-QAM) WLAN 8.45 10424 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 84-QAM) WLAN 8.45 10425 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 84-QAM) WLAN 8.45	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10355 AAA Pulse Waveform (200Hz, 80%) Generic 2.22	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10386 AAA Pulse Waveform (200Hz, 80%) Generic G.97 10387 AAA QPSK Waveform, 1 MHz Generic 5.10 10388 AAA QPSK Waveform, 10 MHz Generic 5.22 10396 AAA 64-QAM Waveform, 100 kHz Generic 6.27 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 10400 AAE IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAE IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10402 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 10406 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 10407 AAH LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Confeel) LTE-TDD 7.82 10410 AAH LTE-TDD (SC-FDMA, 4 OMHz Generic 8.54 10415 AAA IEEE 802.11a WiFi (2 4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS, 0 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.23 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10420 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 10423 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN 8.45 10428 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN 8.41 10429 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN 8.45 10430 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10388 AAA QPSK Waveform, 10 MHz Generic 5.22 10396 AAA 64-QAM Waveform, 100 kHz Generic 6.27 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 10400 AAE IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAE IEEE 802.11ac WIFI (40 MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 10402 AAE IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB GDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 10406 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 10410 AAH LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 10414 AAA WLAN CODF, 64-QAM, 40 MHz Generic 8.54 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WILAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WILAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 8PSK) WILAN 8.46 10425 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) WILAN 8.45 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) WILAN 8.45 10430 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10388 AAA QPSK Waveform, 10MHz Generic 5.22 10396 AAA 64-QAM Waveform, 100 kHz Generic 6.27 10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27 10400 AAE IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAE IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 10402 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 10410 AAH LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 10411 AAA WLAN CCDF, 64-QAM, 40 MHz Generic 8.54 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 1042 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 1042 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.47 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) WLAN 8.45 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.38 10431 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10399 AAA 64-QAM Waveform, 40 MHz Generic 6.27	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10400 AAE IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10401 AAE IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 10402 AAE IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 10410 AAH LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 10414 AAA WLAN CCDF, 64-QAM, 40 MHz Generic 8.54 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10420 AAC IEEE 802.11m (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10421 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.40 10424 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 10425 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10402 AAE	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22 10410 AAH LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) LTE-TDD 7.82 10414 AAA WLAN CCDF, 64-QAM, 40 MHz Generic 8.54 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.41 10425 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10428 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000 5.22	±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10410 AAH	±9.6 ±9.6 ±9.6 ±9.6
10414 AAA WLAN CCDF, 64-QAM, 40 MHz Generic 8.54 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10430 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10404 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10404 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10404 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10404 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10404 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6 ±9.6 ±9.6
10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10428 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) WLAN 8.45 10429 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10420 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38	±9.6 ±9.6
10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10417 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.38 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	
10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	106
10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	T9.0
10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) WLAN 8.45 10428 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAC IEEE F0D (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAC IEE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38	±9.6
10423 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.32 10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10424 AAC IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) WLAN 8.40 10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10425 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34	±9.6
10.420 AAD LTE EDD (OFFINA COM) 8.34	±9.6
TO THE PORT OF THE PROPERTY OF THE PORT OF	±9.6
10424 AAP W.CDMA /DC Tost Maddle AA DDOUB	±9.6
10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10447 AAE LITE COD (OCDMA CARLE E TM 0.4.0%)	±9.6
10447 AAE LTE-FDD (OFDMA, 5 MHz, E-1M 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53	±9.6
10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51	±9.6
10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48	±9.6
10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59	±9.6
10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00	±9.6
10456 AAC IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63	±9.6
10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6,62	±9.6
10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55	±9.6
10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25	±9.6
10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39	±9.6
10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30	±9.6
10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56	±9.6
10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10465 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.32	±9.6
10466 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.57	±9.6
10467 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	10.0
10468 AAG LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.32	±9.6
10469 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56	
10470 AAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10471 AAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.32	±9.6 ±9.6

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Group LTE-TDD	PAR (dB)	Unc ^E k = 2
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57 7.82	±9.6 ±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8,45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70 8.31	±9.6 ±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9,6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54 7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6 ±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9,6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516 10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10518	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN WLAN	8.23	±9.6
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39 8.12	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6 ±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8,45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9,6
10529 10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.38	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.45 8.32	±9.6
10537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6 ±9.6
10538	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6
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UID	Rev	Communication System Name			
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	Group	PAR (dB)	Unc ^E $k=2$
10542		IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8,46	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.65	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.55	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.35 8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6 ±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8,42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1,99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	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
10579	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 GHz (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	±9.6
10582	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Widps, 90pc duty cycle)	WLAN	8.70	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Wops, 90pc duty cycle)	WLAN	8.49	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 46 Mbps, 90pc duty cycle)	WLAN WLAN	8.35	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.67	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.63	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.79	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.64	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74 8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	
10597	AAC	IEEE 802.11n (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	±9.6
10599	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	±9.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
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)	WLAN	9.03	±9.6
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
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	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10609		IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8,57	±9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612		IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10614		IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10615		IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8,59	±9.6
10616	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFI (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.81	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.58	±9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8,86	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.87	±9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN WLAN	8.68	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)		8.82	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN WLAN	8,96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.96	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8,88	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.71	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.85 8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.72	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6 ±9.6
10634	AAC	IEEE 802.11ac WIFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAD	IEEE 802.11ac WiF! (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10654	AAF	LTE-TDD (OFDMA, 10MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAF	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10658	AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) Pulse Waveform (200Hz, 10%)	LTE-TDD	7.21	±9.6
10659	AAB	Pulse Waveform (200Hz, 10%) Pulse Waveform (200Hz, 20%)	Test	10.00	±9.6
10660	AAB	Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Test	6.99	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	3.98	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	2,22	±9.6
10670	AAA	Bluetooth Low Energy	Test	0.97	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	Bluetooth	2.19	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	9.09	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN WLAN	8.74	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.73 8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	 	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.89 8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6 ±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.32	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN WLAN	8.33	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.29	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.39 8.67	±9.6 ±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	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	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
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, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9,6
10735 10736	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle) IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle) IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.40	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.43 8.94	±9.6 ±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±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	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8,81	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.64	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN WLAN	8.77	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.69 8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766 10767	AAC AAE	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	WLAN	8.51	±9.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15KHz)	5G NR FR1 TDD	7.99	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.01	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02 8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6 ±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779 10780	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.38	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.43 8.31	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6 ±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.82 7.84	±9.6 ±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34 8.35	±9.6 ±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
	, 1, 10	Security of the part took the south the test of the south the security of the	5G NR FR1 TDD	8.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10843	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	8.34	±9.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.36	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)		8.37	±9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.35 8.36	±9.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10878	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	7.95	±9.6
10879	AAE	5G NR (CP-OFDM, 100% AB, 100MHz, 16QAM, 120KHz)	5G NR FR2 TDD	8.41	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	8.38	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75 5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6 ±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6,65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAB AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.68	±9.6
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78 5.93	±9.6 ±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84 5.82	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 ±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.90	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.77	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90 5.82	±9.6 ±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947 10948	AAC AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.92	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25 8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6 ±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962 10963	AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.55 9.42	±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6 ±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
10980	AAA	ULLA HDR8	ULLA	10.32	±9.6
		1317 A 117575-4			
10981 10982	AAA	ULLA HDRp4 ULLA HDRp8	ULLA ULLA	3.19	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	,	
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	_ · · · · · · · · · · · · · · · · · · ·		±9.6
10985	AAA	FG ND DL (CD OEDM TAKE A ASMITE OF CAME COLUMN	5G NR FR1 TDD		±9.6
10986		5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
		5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	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	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)		ļ	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
		OG THT DE (OT FOT DIVI, TIVES.1, SUIVIHZ, 64-QAM, 30 KHZ)	5G NR FR1 TDD	9.52	±9.6

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

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst

C Service suisse 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 sign

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client

Element Morgan Hill, USA

Certificate No.

EX-7360 Mar23

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7360

Calibration procedure(s)

QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,

QA CAL-25.v8

Calibration procedure for dosimetric E-field probes

Calibration date

March 16, 2023

J yw 3/30/2023

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3) ℃ and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249_Oct22)	Oct-23
OCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016_Oct22)	Oct-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013 Jan23)	Jan-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

Name Function Signature
Calibrated by Jeffrey Katzman Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: March 20, 2023

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

Certificate No: EX-7360_Mar23

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Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst

C Service suisse 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

NORMx,y,z

sensitivity in free space

ConvF DCP sensitivity in TSL / NORMx,y,z

CF

diode compression point

A, B, C, D

crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

 φ rotation around probe axis

Polarization &

 θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is

normal to probe axis

Connector Angle

information used in DASY system to align probe sensor X to the robot coordinate system

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"

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization

 0 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z
 are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvE.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP
 does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of
 power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
 calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \le 800\,\text{MHz}$) and inside waveguide using analytical field distributions based on power measurements for $f > 800\,\text{MHz}$. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y, z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from $\pm 50\,\text{MHz}$ to $\pm 100\,\text{MHz}$.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis).
 No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

EX3DV4 - SN:7360

Parameters of Probe: EX3DV4 - SN:7360

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (μ V/(V/m) ²) ^A	0.39	0.44	0.44	±10.1%
DCP (mV) ^B	106.0	102.5	106.0	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√μV		dB	mV	dev.	Unc ^E
									k = 2
0	CW	Х	0.00	0.00	1.00	0.00	163.3	±3.3%	±4.7%
		Υ	0.00	0.00	1.00		146.7		
		Z	0.00	0.00	1.00		150.6		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	88.00	19.00	10.00	60.0	±2.8%	±9.6%
		Υ	20.00	90.19	20.14		60.0		
		Z	5.68	74.44	14.66		60.0		
10353	Pulse Waveform (200Hz, 20%)	Х	3.29	70.73	12.02	6.99	80.0	±1.7%	±9.6%
		Y	20.00	92.15	20.10		80.0		
		Z	17.82	86.55	17.06		80.0		
10354	Pulse Waveform (200Hz, 40%)	Х	3.25	72.82	11.38	3.98	95.0	±1.2%	±9.6%
		Υ	20.00	97.33	21.32		95.0		
		Z	20.00	87.33	15.68		95.0		
10355	Pulse Waveform (200Hz, 60%)	Х	1.10	67.33	8.42	2.22	120.0	±1.1%	±9.6%
		Υ	20.00	105.24	23.66		120.0		
		Z	20.00	85.24	13.51		120.0		
10387	QPSK Waveform, 1 MHz	Х	1.44	65.50	14.11	1.00	150.0	±2.8%	±9.6%
		Y	1.74	67.68	15.73]	150.0		
		Z	1.47	65.33	14.07]	150.0		
10388	QPSK Waveform, 10 MHz	X	1.92	66.60	14.92	0.00	150.0	±0.8%	±9.6%
		Y	2.34	69.37	16.46]	150.0		
		Z	1.98	66.82	14.93		150.0		
10396	64-QAM Waveform, 100 kHz	Х	2.34	67.35	17.09	3.01	150.0	±0.9%	±9.6%
		Υ	2.91	71.20	19.16		150.0		
		Z	2.98	71.49	18.97]	150.0]	
10399	64-QAM Waveform, 40 MHz	Х	3.43	67.17	15.67	0.00	150.0	±2.0%	±9.6%
		Y	3.57	67.74	16.13	1	150.0	[
		Z	3.33	66.60	15.36]	150.0]	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.58	65.23	15.23	0.00	150.0	±3.8%	±9.6%
		Y	4.89	66.06	15.78	1	150.0		
		Z	4.67	65.39	15.28]	150.0		

Note: For details on UID parameters see Appendix

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%.

A The uncertainties of Norm X,Y,Z do not affect the E2-field uncertainty inside TSL (see Pages 5 and 6).

B Linearization parameter uncertainty for maximum specified field strength.

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

EX3DV4 - SN:7360

Parameters of Probe: EX3DV4 - SN:7360

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
Х	36.6	268.94	34.57	8.06	0.54	5.00	0.58	0.27	1.00
у	42.6	314.69	34.94	15.46	0.00	5.10	1.06	0.23	1.01
Z	39.6	291.46	34.54	8.70	0.44	5.03	1.73	0.14	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-134.4°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Note: Measurement distance from surface can be increased to 3~4 mm for an Area Scan job.

Parameters of Probe: EX3DV4 - SN:7360

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
6	55.0	0.75	21.15	21.15	21.15	0.00	1.00	±13.3%
13	55.0	0.75	17.98	17.98	17.98	0.00	1.00	±13.3%
750	41.9	0.89	10.58	10.58	10.58	0.49	0.89	±12.0%
835	41.5	0.90	10.40	10.40	10.40	0.48	0.80	±12.0%
1750	40.1	1.37	9.15	9.15	9.15	0.28	0.86	±12.0%
1900	40.0	1.40	8.67	8.67	8.67	0.38	0.86	±12.0%
2300	39.5	1.67	8.21	8.21	8.21	0.35	0.90	±12.0%
2450	39.2	1.80	8.07	8.07	8.07	0.31	0.90	±12.0%
2600	39.0	1.96	7.63	7.63	7.63	0.41	0.90	±12.0%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$) and are valid for TSL with deviations of up to $\pm 10\%$. If TSL with deviations from the target of less than $\pm 5\%$ are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the boundary.

Parameters of Probe: EX3DV4 - SN:7360

Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	55.5	0.96	10.11	10.11	10.11	0.46	0.91	±12.0%
835	55.2	0.97	9.93	9.93	9.93	0.44	0.80	±12.0%
1750	53.4	1.49	8.62	8.62	8.62	0.45	0.86	±12.0%
1900	53.3	1.52	8.26	8.26	8.26	0.39	0.86	±12.0%
2300	52.9	1.81	8.25	8.25	8.25	0.44	0.90	±12.0%
2450	52.7	1.95	8.04	8.04	8.04	0.40	0.90	±12.0%
2600	52.5	2.16	7.91	7.91	7.91	0.36	0.90	±12.0%

C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10 , 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

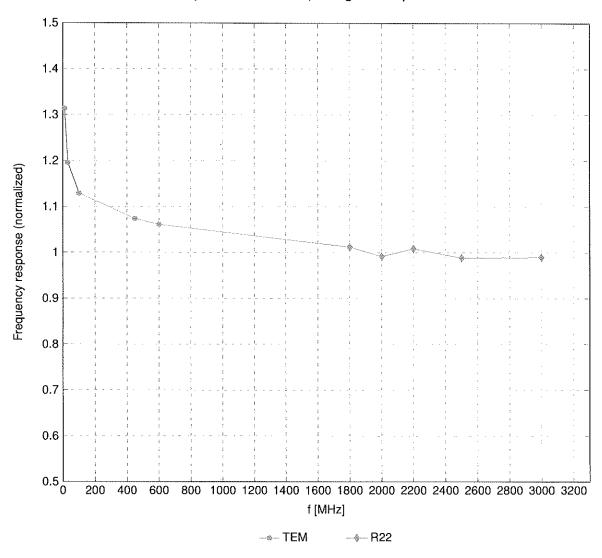
F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$)

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$) and are valid for TSL with deviations of up to $\pm 10\%$. If TSL with deviations from the target of less than $\pm 5\%$ are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

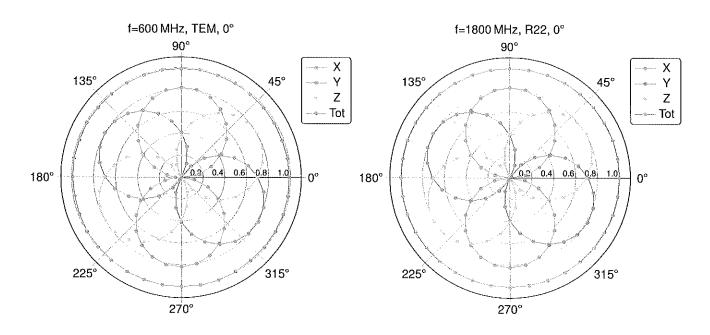
Frequency Response of E-Field

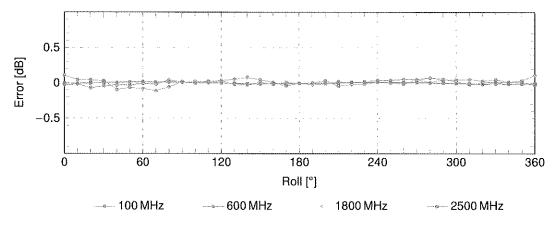
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

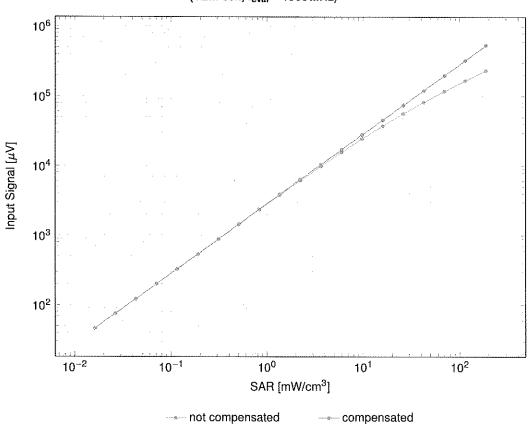


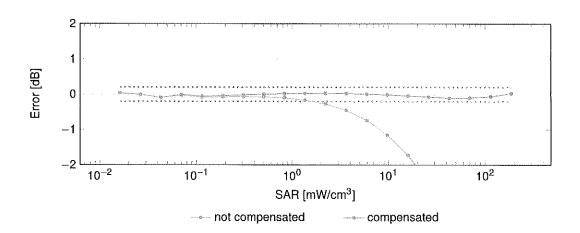


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

Dynamic Range f(SAR_{head})

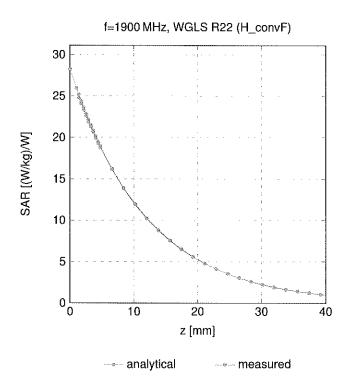
(TEM cell, f_{eval} = 1900MHz)



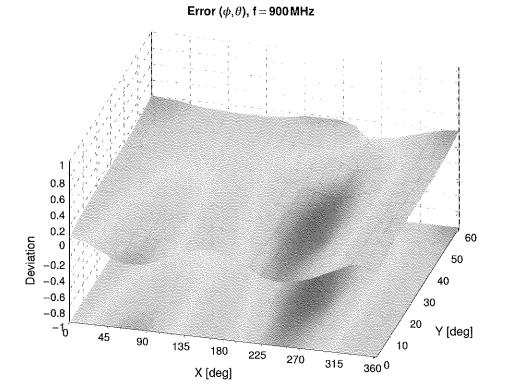


Uncertainty of Linearity Assessment: ±0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid



Uncertainty of Spherical Isotropy Assessment: ±2.6% (k=2)

0.2

Appendix: Modulation Calibration Parameters

10010 CAB	.00	Unc ^E $k = 2$
10011 CAC		±4.7
10012 CAB	.00	±9.6
10013 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) WLAN 9 10021 DAC GSM-PDD (TDMA, GMSK) GSM 9 10023 DAC GSM-PDD (TDMA, GMSK, TN 0.1) GSM 6 6 6 6 6 6 6 6 6	.91	±9.6
10021 DAC GSM-FDD (TDMA, GMSK) GSM 9 10023 DAC GPRS-FDD (TDMA, GMSK, TN 0) GSM 9 10024 DAC GPRS-FDD (TDMA, GMSK, TN 0-1) GSM 12 10025 DAC EDGE-FDD (TDMA, BPSK, TN 0) GSM 12 10026 DAC EDGE-FDD (TDMA, BPSK, TN 0-1) GSM 9 10027 DAC GPRS-FDD (TDMA, BPSK, TN 0-1) GSM 9 10027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4 10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3 10029 DAC EDGE-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 7 10030 CAA IEEE 802.15.1 Bluetooth (GFSK, DH1) Bluetooth 5 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10032 CAA IEEE 802.15.1 Bluetooth (GFSK, DH5) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (FV4-DQPSK, DH1) Bluetooth 7 10034 CAA IEEE 802.15.1 Bluetooth (FV4-DQPSK, DH3) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (FV4-DQPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10035 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10036 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10037 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10037 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10038 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10038 CAA IEEE 802.15.1 Bluetooth 6-DPSK, DH5) Bluetooth 4 10039 CAA IEEE 802.15.1 Bluetooth 6-DPSK, DH5) Bluetooth 4 10036 CAA IEEE 802.15.1 Bluetooth 6-DPSK, DH5) Bluetooth 4 10036 CAA IEEE 802.15.1 Bluetooth 6-DPSK, DH5) Bluetooth 4 10036 CAA IEEE 802.15.1 Bluetooth 6-DPSK, DH5) Bluetooth 4 10036 CAA IEEE 802.15.1 Bluetooth 6-DPSK, DH5) Bluetooth 6-DPSK, DH5	.87	±9.6
10023 DAC GPRS-FDD (TDMA, GMSK, TN 0) GSM 9 10024 DAC GPRS-FDD (TDMA, GMSK, TN 0-1) GSM 6 6 6 6 6 6 6 6 6	.46	±9.6
10024 DAC GPRS-FDD (TDMA, GMSK, TN 0-1) GSM 6 10025 DAC EDGE-FDD (TDMA, BPSK, TN 0) GSM 12 10026 DAC EDGE-FDD (TDMA, BPSK, TN 0) GSM 9 10027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3 10029 DAC EDGE-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 7 10030 CAA IEEE 802.15.1 Bluetooth (GFSK, DH1) Bluetooth 5 Bluetooth 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10032 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH3) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH3) Bluetooth 1 10034 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH3) Bluetooth 4 10035 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH3) Bluetooth 4 10036 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 8 10037 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 8 10038 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10038 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10038 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10042 CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) CDMA2000 4 10042 CAB IS-54 / IS-136 FDD (TDMA/FDM, FI/4-DQPSK, Halfrate) DECT 10 10046 CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT 10 10056 CAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 3 10064 CAD IEEE 802.11b WiFi 5 GHz (OFDM, 8 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 8 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 8 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 M	.39	±9.6
10025 DAC EDGE-FDD (TDMA, 8PSK, TN 0) GSM 12 10026 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1) GSM 9 10027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4 10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 3 10029 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 7 10030 DAC EDGE-FDD (TDMA, BPSK, TN 0-1-2) GSM 7 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH1) Bluetooth 5 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10032 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10034 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) Bluetooth 7 10035 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) Bluetooth 4 10036 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 8 10037 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH3) Bluetooth 8 10038 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH3) Bluetooth 4 10039 CAB IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10039 CAB IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAA IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAB IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAB IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAB IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10040 CAB IEEE 802.15.1 Bluetooth (B-DPSK, DH5) Bluetooth 4 10050 CAB IEEE 802.15.1 Bluetooth Bluetooth 4 10060 CAB IEEE 802.11 BMF1 2.4 GH2 (DSSS, 2 Mbps) WLAN 8 10061 CAD IEEE 802.11 BMF1 2.4 GH2 (DSSS,	.57	<u>+</u> 9.6
10026 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1) GSM 9 10027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4 10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3 10029 DAC EDGE-FDD (TDMA, BPSK, TN 0-1-2-3) GSM 7 10030 CAA IEEE 802.15.1 Bluetooth (GFSK, DH1) Bluetooth 5 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10032 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (FIVA-DQPSK, DH5) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (FIVA-DQPSK, DH5) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (FIVA-DQPSK, DH5) Bluetooth 1 10035 CAA IEEE 802.15.1 Bluetooth (FIVA-DQPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAA IEEE 802.15.1 Bluetooth 4 10039 CAB CDMA2000 (1xRTT, RC1) CDMA2000 4 10040 CAA IEEE 802.15.1 Bluetooth 4 10039 CAB CDMA2000 (1xRTT, RC1) CDMA2000 4 10040 CAA IEEE 802.15.1 Bluetooth 6 CDPSK, Double Slot, 12) DECT 10 10056 CAA IEEE 802.15.1 Bluetooth GESK, Double Slot, 12) DECT 10 10056 CAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 3 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 9 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mb	.56	±9.6
10027 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2) GSM 4 10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3 3 3 3 3 3 3 3 3	.62	±9.6
10028 DAC GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) GSM 3 10029 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2) GSM 7 10030 CAA IEEE 802.15.1 Bluetooth (GFSK, DH1) Bluetooth 5 10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1 10032 CAA IEEE 802.15.1 Bluetooth (GFSK, DH5) Bluetooth 1 10033 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH5) Bluetooth 7 10034 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH1) Bluetooth 7 10034 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH3) Bluetooth 4 10035 CAA IEEE 802.15.1 Bluetooth (FI/4-DQPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 8 10037 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH3) Bluetooth 4 10038 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAB CDMA2000 (1xRTT, RC1) CDMA2000 4 10042 CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) AMPS 7 10044 CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) AMPS 0 10048 CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT 13 10049 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10 10056 CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) TD-SCDMA 11 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 9 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 9 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 9 10064	.55	±9.6
10029 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2) GSM 7.	.80	±9.6
10030	.55	±9.6
10031 CAA IEEE 802.15.1 Bluetooth (GFSK, DH3) Bluetooth 1	.78	±9.6
10032 CAA IEEE 802.15.1 Bluetooth (GFSK, DH5) Bluetooth 1	.30	±9.6
10033 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) Bluetooth 7 10034 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) Bluetooth 4 10035 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH1) Bluetooth 8 Bluetooth 9 Bluetoot	.87	±9.6
10034 CAA IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) Bluetooth (PI/4-DQPSK, DH5) Bluetooth (PI/4-DQPSK, DH3) Bluetooth (PI/4-DQPSK, DH3) Bluetooth (PI/4-DQPSK, DH3) Bluetooth (PI/4-DQPSK, DH5) CDMA/2000 4 CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) AMPS 7 CDMA/2000 AMPS 7 CAB CAB	.16	±9.6
10035 CAA IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH5) Bluetooth 3 10036 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH1) Bluetooth 8 10037 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH3) Bluetooth 4 10038 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAB CDMA2000 (1xRTT, RC1) CDMA2000 4 10042 CAB IS-54 / IS-136 FDD (TDMA/FDM, Pl/4-DQPSK, Halfrate) AMPS 7 10044 CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) AMPS 0 10048 CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT 13 10049 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10 10056 CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) TD-SCDMA 11 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)<	.74	±9.6
10036 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH1) Bluetooth 8	.53	±9.6
10037 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH3) Bluetooth 4	.83	±9.6
10038 CAA IEEE 802.15.1 Bluetooth (8-DPSK, DH5) Bluetooth 4 10039 CAB CDMA2000 (1xRTT, RC1) CDMA2000 4 10042 CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) AMPS 7 10044 CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) AMPS 0 10048 CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT 13 10049 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10 10056 CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) TD-SCDMA 11 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 8 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	.01	±9.6
10039 CAB CDMA2000 (1xRTT, RC1) CDMA2000 4.	.77	±9.6
10042 CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) AMPS 7 10044 CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) AMPS 0 10048 CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT 13 10049 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10 10056 CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) TD-SCDMA 11 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9	.10	±9.6
10044 CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) AMPS 0. 10048 CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT 13 10049 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10 10056 CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) TD-SCDMA 11 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9	.57	±9.6
10048 CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT 13.	.78	±9.6
10049 CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) DECT 10 10056 CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) TD-SCDMA 11 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9	.00	±9.6
10056 CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) TD-SCDMA 11 10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9		±9.6
10058 DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) GSM 6 10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9		±9.6
10059 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) WLAN 2 10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9		±9.6
10060 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) WLAN 2 10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9		±9.6
10061 CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) WLAN 3 10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9	.12	±9.6 ±9.6
10062 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) WLAN 8. 10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8. 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9.		±9.6
10063 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) WLAN 8. 10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9.	.68	±9.6
10064 CAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) WLAN 9.	.63	±9.6
	.09	±9.6
	.00	±9.6
	.38	±9.6
	.12	±9.6
	.24	±9.6
	.56	±9.6
	.83	±9,6
	.62	±9.6
10073 CAB IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) WLAN 9	.94	±9.6
	.30	±9.6
	.77	±9.6
	.94	±9.6
	.00	±9.6
10081 CAB CDMA2000 (1xRTT, RC3) CDMA2000 3	.97	<u>±</u> 9.6
	.77	±9.6
<u> </u>	.56	±9.6
	.98	±9.6
	.98	±9.6
	.55	±9.6
	.67	±9.6
	.42	±9.6
	.60	±9.6
	.29	±9.6
<u></u>	.97	±9.6
	.01	±9.6
	.80	±9.6
	.43	±9.6
	.75	±9.6
10111 CAH LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM) LTE-FDD 6.	.44	±9.6

Certificate No: EX-7360_Mar23

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAD	IEEE 802,11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	<u>+</u> 9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9,28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	9.92	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD LTE-FDD	10.05	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.75 6.43	±9.6 ±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAL	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177 10178	CAU	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	6.50 5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 R8, 3 MHz, 16-QAM)	LTE-FOD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 R8, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8,27	±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 64-QAM)	WLAN	8.48 8.08	±9.6 ±9.6
10227	L	The Control (11) Minor, 100 Mulps, 07 GAIN)	TAREMIA	0.00	T9.0

19025 CAC UNITS-TOP (FISTING)	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
19225 CAC CIE-TIDD (SEPTIMA, 1 RB, 1 AMM, 2 RG-OAM)	10225	CAC		· · · · · · · · · · · · · · · · · · ·		
19227 CAC LIFETDD (SECFEMA, 1 RB, 1 AMME, 0 GAM)	10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)		.	
19229 CAE. LIE-TOD (SC-PEMA, 1R6, 3MHz, 16-DAM)		CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	
OAE LIE-TOD (SC-PDMA, TR), 3MHz, 64-DAM)		·		LTE-TDD	9.22	±9.6
DASE LIE-TOD (SC-PDMA, I RB, MHz, CPSK)		1		LTE-TDD	9.48	±9.6
10223 CAH LTE-TDD (SC-PDMA), FIR, SMHz, 16-CAM)				LTE-TDD	10.25	±9.6
1923 CAH LIETDD SC-PEMA, 1 RB, SMM; DF-CAM) LIETDD 10.25 4.98 1924 CAH LIETDD SC-PEMA, 1 RB, SMM; DF-SE CAH LIETDD S.48 4.98 1925 CAH LIETDD SC-PEMA, 1 RB, SMM; DF-SE CAH LIETDD S.48 1928 CAH LIETDD SC-PEMA, 1 RB, SMM; DF-SE CAH LIETDD S.48 1928 CAH LIETDD SC-PEMA, 1 RB, SMM; DF-SE CAH LIETDD SC-PEMA CAH LIETDD SC-PEMA CAH RB, SMM; DF-SE CAH LIETDD SC-PEMA CAH	1	<u> </u>				
19225 CAH LTF-TDD SC-PENMA T-RB, SMHz, GPSK) LTF-TDD SC-PENMA SC-PE						
1925 ASH LTE-TIDD SC-PEMA, 1 RB, 10MHz, 16-OAM) LTE-TIDD SC-PEMA, 1 RB, 10MHz, DeSM) LTE-TIDD SC-PEMA, 1 RB, 15MHz, DeSM) LTE-TIDD SC-PEMA, 1 RB, 15MHz, DeSM) LTE-TIDD SC-PEMA, 1 RB, 15MHz, B-QAMM LTE-TIDD SC-PEMA, 1						
19236 CAH LTE-TIDD (SC-PEMA, 1 RB, 10 MHz, GPSY) LTE-TIDD 19.25 ±9.8						
1922 AM LTE-TOD SC-PDMA TR. 10MHz, GPSN LTE-TOD 9.21 4.95 1928 AG LTE-TOD SC-PDMA TR. 15MHz, SF-AMM LTE-TOD 9.21 2.86 1928 AG LTE-TOD SC-PDMA TR. 15MHz, SF-AMM LTE-TOD 9.21 2.86 1929 AG LTE-TOD SC-PDMA TR. 15MHz, SF-AMM LTE-TOD 9.21 2.86 1929 AG LTE-TOD SC-PDMA TR. 15MHz, SF-AMM LTE-TOD 9.22 2.86 1929 AG LTE-TOD SC-PDMA TR. 15MHz, SF-AMM LTE-TOD 9.22 2.86 1929 AG LTE-TOD SC-PDMA TR. 15MHz, GPSN LTE-TOD 9.26 2.86 1929 AG LTE-TOD SC-PDMA, SOW, RB. 14MHz, IS-CAMM LTE-TOD 9.26 4.86 4.85 1924 AG LTE-TOD SC-PDMA, SOW, RB. 14MHz, IS-CAMM LTE-TOD 9.26 4.86 4.85 19244 AG LTE-TOD SC-PDMA, SOW, RB. 3MHz, IS-CAMM LTE-TOD 10.06 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 3MHz, IS-CAMM LTE-TOD 10.06 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 3MHz, IS-CAMM LTE-TOD 10.06 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 3MHz, LG-PSN LTE-TOD 10.06 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 3MHz, LG-PSN LTE-TOD 10.06 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 5MHz, LG-PSN LTE-TOD 10.09 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 5MHz, LG-PSN LTE-TOD 10.09 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 5MHz, LG-PSN LTE-TOD 10.09 4.96 4.95 19246 AG LTE-TOD SC-PDMA, SOW, RB. 10MHz, LG-PSN LTE-TOD 10.17 4.96 4.95 19256 AG LTE-TOD SC-PDMA, SOW, RB. 10MHz, LG-PSN LTE-TOD 10.17 4.96 4.95 19256 AG LTE-TOD 10.17 4.96 4.95 19256 AG LTE-TOD SC-PDMA, SOW, RB. 15MHz, LG-PSN LTE-TOD 10.17 4.96 4.95 19256 AG LTE-TOD SC-PDMA, SOW, RB. 15MHz, LG-PSN LTE-TOD 10.17 4.96 4.95 19256 AG LTE-TOD SC-PDMA, SOW, RB. 15MHz, LG-PSN LTE-TOD 10.17 4.96 4.95 4.95 19256 AG LTE-TOD SC-PDMA, SOW, RB. 15MHz, LG-PSN LTE-TOD 10.17 4.96 4.95 1	L					
19289 CAG LTF-TDD (SC-PDMA TR 15MHz, 16-QAM) LTF-TDD 19.66 19.65 19.96 19.91 1						
10290 CAG LTE-TDD SC-PDMA, 1 RB, 15MHz, 04-CAM LTE-TDD 10.26 5.85 10.24 CAG LTE-TDD SC-PDMA, 1 RB, 15MHz, 0 PSK) LTE-TDD 9.21 3.95 10.24 CAG LTE-TDD SC-PDMA, 1 RB, 15MHz, 0 PSK) LTE-TDD 9.22 4.88 10.24 CAG LTE-TDD SC-PDMA, 50°R, RB, 14MHz, 16-CAM) LTE-TDD 9.86 1.95 10.24 CAG LTE-TDD SC-PDMA, 50°R, RB, 14MHz, 0 PSK) LTE-TDD 5.86 1.95 10.24 CAG LTE-TDD SC-PDMA, 50°R, RB, 14MHz, 0 PSK) LTE-TDD 10.06 4.95 10.24 CAE LTE-TDD SC-PDMA, 50°R, RB, 34MHz, 64°CAM) LTE-TDD 10.06 4.95 10.24 CAE LTE-TDD SC-PDMA, 50°R, RB, 34MHz, 64°CAM) LTE-TDD 10.06 4.95 10.24 CAE LTE-TDD SC-PDMA, 50°R, RB, 34MHz, 64°CAM) LTE-TDD SC-PDMA, 50°R, RB, 34MHz, 64°CAM) LTE-TDD SC-PDMA, 50°R, RB, 34MHz, 64°CAM) LTE-TDD 9.30 4.95 10.24 CAH LTE-TDD SC-PDMA, 50°R, RB, 34MHz, 64°CAM) LTE-TDD 9.30 4.95 10.24 CAH LTE-TDD SC-PDMA, 50°R, RB, 54MHz, 64°CAM) LTE-TDD SC-PDMA, 50°R, RB, 54MHz, 64°CAM) LTE-TDD 10.06 4.95 10.25 CAH LTE-TDD SC-PDMA, 50°R, RB, 54MHz, 64°CAM) LTE-TDD 10.06 4.95 10.25 CAH LTE-TDD SC-PDMA, 50°R, RB, 54MHz, 64°CAM) LTE-TDD 9.29 4.95 10.25 CAH LTE-TDD SC-PDMA, 50°R, RB, 54MHz, 64°CAM) LTE-TDD 9.21 4.95 10.25 CAH LTE-TDD SC-PDMA, 50°R, RB, 15MHz, 64°CAM) LTE-TDD 9.24 4.95 10.25 CAH LTE-TDD SC-PDMA, 50°R, RB, 15MHz, 64°CAM) LTE-TDD 9.24 4.95 10.25 CAH LTE-TDD SC-PDMA, 50°R, RB, 15MHz, 64°CAM) LTE-TDD 9.24 4.95 10.25 CAE LTE-TDD SC-PDMA, 50°R, RB, 15MHz, 64°CAM) LTE-TDD 9.24 4.95 10.25 CAE LTE-TDD SC-PDMA, 50°R, RB, 15MHz, 64°CAM) LTE-TDD 9.26 4.95 10.25 CAE LTE-TDD SC-PDMA, 50°R, RB, 15MHz, 64°CAM) LTE-TDD 9.20 9.6 4.9 8.9 4.9 8.9 4.9 8.9 4.9 8.9 4.9 8.9 4.9 8.9 4.9 8.9 4.9 8.9 4.9 8.9 4.9			· · · · · · · · · · · · · · · · · · ·			
10241 CAC LIFE TIDE (SC-FDMA, 19R. B), 15MHz, GPSK)	L					
10241 CAC LTE-TDD (SC-FDMA, 509; RB, 14MHz, 16-CAM)	—————					
19243 CAC LTE-TDD (SC-FDMA, 509; RB, 14MHz, 64-CAM)	ļ					
10244 CAC LTE-TDD (SC-FDMA, 50% RB, 13. MHz, 16-OAM) LTE-TDD 9.46 9.95	10242	CAC	1			
19245 CAE	1	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)			
19245 CAE	10244	CAE				
10249 CAE LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM) LTE-TDD 9.91 9.98 9.98 10249 CAH LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM) LTE-TDD 10.09 9.91 9.98 10249 CAH LTE-TDD (SC-FDMA, 50% RB, 5MHz, 46-QAM) LTE-TDD 9.91 9.98 10250 CAH LTE-TDD (SC-FDMA, 50% RB, 5MHz, 46-QAM) LTE-TDD 9.81 9.98 10251 CAH LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 9.81 9.98 10251 CAH LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 9.81 9.98 10252 CAH LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 10.17 29.6 10252 CAH LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 9.24 9.98 10253 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM) LTE-TDD 9.24 9.98 10253 CAG LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM) LTE-TDD 9.24 9.98 10253 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 46-QAM) LTE-TDD 10.17 29.6 10254 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 46-QAM) LTE-TDD 10.17 29.8 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 46-QAM) LTE-TDD 10.17 29.8 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 46-QAM) LTE-TDD 10.08 9.8 9.8 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 6-QAM) LTE-TDD 10.08 9.9 9.	10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)			
10249 CAH LTE-TDD (SC-FDMA, 60% RB, 5MHz, GPSK) LTE-TDD 10.09 19.8 10.250 CAH LTE-TDD (SC-FDMA, 60% RB, 5MHz, GPSK) LTE-TDD 9.28 19.6 10.255 CAH LTE-TDD (SC-FDMA, 60% RB, 10 MHz, 64-CAM) LTE-TDD 9.28 19.6 10.255 CAH LTE-TDD (SC-FDMA, 60% RB, 10 MHz, 64-CAM) LTE-TDD 10.17 19.6 10.255 CAH LTE-TDD (SC-FDMA, 60% RB, 10 MHz, 64-CAM) LTE-TDD 10.17 19.6 10.255 CAH LTE-TDD (SC-FDMA, 60% RB, 10 MHz, 64-CAM) LTE-TDD 10.17 19.6 10.255 CAG LTE-TDD (SC-FDMA, 60% RB, 15 MHz, 16-CAM) LTE-TDD 10.17 19.8 10.255 CAG LTE-TDD (SC-FDMA, 60% RB, 15 MHz, 16-CAM) LTE-TDD 10.14 19.6 10.255 CAG LTE-TDD (SC-FDMA, 60% RB, 15 MHz, 64-CAM) LTE-TDD 9.20 19.6 10.255 CAG LTE-TDD (SC-FDMA, 60% RB, 15 MHz, 16-CAM) LTE-TDD 9.20 19.6 10.255 CAG LTE-TDD (SC-FDMA, 60% RB, 15 MHz, 16-CAM) LTE-TDD 9.20 19.6 10.255 CAG LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-CAM) LTE-TDD 9.20 19.6 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-CAM) LTE-TDD 9.96 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) LTE-TDD 9.96 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) LTE-TDD 9.94 19.6 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.97 19.6 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.99 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.99 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.99 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.99 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.20 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.20 19.8 19.8 10.255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9.20 19.8 19.8 10.256 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 6-CAM) LTE-TDD 9.20 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8		CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD		
10250 CAH LITE-TDD (SC-FDMA, 50% RB, 50MHz, 6PSK) LITE-TDD 9.29 49.8 10251 CAH LITE-TDD (SC-FDMA, 50% RB, 10 MHz, 18-QAM) LITE-TDD 10.17 49.6 10252 CAH LITE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LITE-TDD 9.24 49.6 10252 CAH LITE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LITE-TDD 9.24 49.6 10252 CAB LITE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LITE-TDD 9.00 9.	10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-TDD	9.91	
10250 CAH LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 10.17 49.6	t	L		LTE-TDD	10.09	±9.6
10255 CAH LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 10.17 49.6 10252 CAH LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.24 49.6 10253 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 49.6 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 49.6 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 10.14 49.6 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 9.20 49.6 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM) LTE-TDD 9.96 49.6 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM) LTE-TDD 9.96 49.6 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM) LTE-TDD 10.08 49.6 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 34MHz, 16-QAM) LTE-TDD 9.96 49.6 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 34MHz, 16-QAM) LTE-TDD 9.98 49.6 10255 CAG LTE-TDD (SC-FDMA, 100% RB, 34MHz, 16-QAM) LTE-TDD 9.98 49.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 34MHz, 16-QAM) LTE-TDD 9.98 49.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 34MHz, 16-QAM) LTE-TDD 9.24 49.6 10262 CAE LTE-TDD (SC-FDMA, 100% RB, 54MHz, 16-QAM) LTE-TDD 9.24 49.6 10262 CAE LTE-TDD (SC-FDMA, 100% RB, 54MHz, 16-QAM) LTE-TDD 9.24 49.6 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 54MHz, 16-QAM) LTE-TDD 9.23 49.6 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 54MHz, 16-QAM) LTE-TDD 9.23 49.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 104MHz, 16-QAM) LTE-TDD 9.23 49.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 104MHz, 16-QAM) LTE-TDD 9.23 49.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 104MHz, 16-QAM) LTE-TDD 10.16 49.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 104MHz, 16-QAM) LTE-TDD 10.17 49.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 104MHz, 16-QAM) LTE-TDD 10.18 49.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 104MHz, 105AMM LTE-TDD 10.06 19.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 104MHz, 105AMM L	L			LTE-TDD	9.29	±9,6
10252 CAH				LTE-TDD	9.81	±9.6
10255 CAG LTE-TDD (SC-FDMA, 50%, RB, 15 MHz, 16 CAM) LTE-TDD 9.90 4.9.8	<u></u>			LTE-TOD	10.17	±9.6
10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GP-SK) LTE-TDD 9.20 19.6 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GP-SK) LTE-TDD 9.20 19.6 10256 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16 CAM) LTE-TDD 9.96 19.8 10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64 CAM) LTE-TDD 10.08 19.6 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64 CAM) LTE-TDD 10.08 19.6 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, CPSK) LTE-TDD 9.34 19.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16 CAM) LTE-TDD 9.98 19.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16 CAM) LTE-TDD 9.99 19.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64 CAM) LTE-TDD 9.97 19.6 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64 CAM) LTE-TDD 9.24 19.6 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64 CAM) LTE-TDD 9.24 19.6 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64 CAM) LTE-TDD 10.16 19.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64 CAM) LTE-TDD 10.16 19.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-CAM) LTE-TDD 9.23 19.8 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-CAM) LTE-TDD 10.07 19.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-CAM) LTE-TDD 10.07 19.6 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-CAM) LTE-TDD 10.06 19.6 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM) LTE-TDD 10.06 19.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM) LTE-TDD 10.06 19.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM) LTE-TDD 10.08 19.6 10271 CAA PHS (CPSK) LTE-TDD 9.58 19.6 10272 CAA LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM) LTE-TDD 10.13 19.6 10273 CAA LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM) LTE-TDD 10.18 19.6 10274 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM) LTE-TDD 10.18 19.6 10275 CAG LTE-TDD (SC-FDMA,	1			LTE-TDD	9.24	±9.6
10255 CAG LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD 9,20 19.6 10256 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 10.08 19.6 10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 19.6 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9,34 19.6 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9,34 19.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9,97 19.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9,24 19.6 10262 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9,24 19.6 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9,24 19.6 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9,24 19.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9,23 19.8 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9,23 19.8 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9,23 19.6 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9,29 19.6 10268 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 10.07 19.6 10269 CAH LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.07 19.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.07 19.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.07 19.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.06 19.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 19.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 19.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 19.6 10271 CAA PHS (QPSK) RB, 15 MHz, QPSK) LTE-TDD 9.5 19.6 10272 CAA PHS (QPSK) RB, 3 MHz, QPSK) LTE-TDD 9.5 19.6 10273 CAA PHS (QPSK) RB AMHz, Rolloff 0	£					±9.6
10256 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-CAM) LTE-TDD 9,96 ±9.6 10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 6-CAM) LTE-TDD 9,34 ±9.6 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 6-CAM) LTE-TDD 9,34 ±9.6 10259 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) LTE-TDD 9,98 ±9.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9,97 ±9.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9,24 ±9.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-CAM) LTE-TDD 9,24 ±9.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-CAM) LTE-TDD 9,24 ±9.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-CAM) LTE-TDD 9,83 ±9.6 10260 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-CAM) LTE-TDD 9,83 ±9.6 10260 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-CAM) LTE-TDD 9,23 ±9.6 10260 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 9,92 ±9.6 10260 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 9,92 ±9.6 10260 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 10,07 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 9,30 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 10,00 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 10,13 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 10,13 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 10,13 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 10,13 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 10,13 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-CAM) LTE-TDD 10,13 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 500% RB, 15MHz, 64-CAM) LTE-TDD 9,58 ±9.6 10260 CAG LTE-TDD (SC-FDMA, 500% RB, 50MHz, 64-CAM) LTE-TDD 10,13 ±9.6 10270 CAG LTE-						
10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	ļ		·			
10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 19.6 10259 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-OAM) LTE-TDD 9.98 19.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-OAM) LTE-TDD 9.97 19.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-OAM) LTE-TDD 9.24 19.6 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-OAM) LTE-TDD 9.83 19.6 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-OAM) LTE-TDD 9.83 19.6 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-OAM) LTE-TDD 9.83 19.6 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, GA-OAM) LTE-TDD 9.23 19.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, GA-OAM) LTE-TDD 9.23 19.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-OAM) LTE-TDD 9.92 19.8 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-OAM) LTE-TDD 9.92 19.8 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-OAM) LTE-TDD 9.90 19.6 10268 CAH LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-OAM) LTE-TDD 9.30 19.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-OAM) LTE-TDD 9.30 19.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-OAM) LTE-TDD 10.00 19.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-OAM) LTE-TDD 10.00 19.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-OAM) LTE-TDD 10.00 19.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-OAM) LTE-TDD 10.00 19.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-OAM) LTE-TDD 10.13 19.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, GPSK) LTE-TDD 9.58 19.6 10275 CAC LTE-TDD (SC-FDMA, 100% RB, 15MHz, GPSK) LTE-TDD 9.58 19.6 10275 CAC LTE-TDD (SC-FDMA, 100% RB, 15MHz, GPSK) LTE-TDD 9.58 19.6 10275 CAA PHS (QPSK) LTE-TDD (SC-FDMA, 100% RB, 15MHz, GPSK) LTE-TDD 9.58 19.6 10275 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 19.6 10275 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 19.6 10275 CA		<u> </u>				
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10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM) LTE-TDD 9.97 ±9.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK) LTE-TDD 9.24 ±9.6 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM) LTE-TDD 9.83 ±9.6 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) LTE-TDD 10.16 ±9.6 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) LTE-TDD 9.23 ±9.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) LTE-TDD 9.23 ±9.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ±9.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ±9.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK) LTE-TDD 9.30 ±9.6 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GAM) LTE-TDD 10.08 ±9.6 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GAM) LTE-TDD 10.08 ±9.6 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GAM) LTE-TDD 10.08 ±9.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GAM) LTE-TDD 10.13 ±9.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK) LTE-TDD 9.58 ±9.6 10274 CAC UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8.10) WCDMA 4.87 ±9.6 10275 CAA PHS (CPSK) BMS 84 MHz, Rolloff 0.5 PHS 11.81 ±9.6 10277 CAA PHS (CPSK, BW 884 MHz, Rolloff 0.58) PHS 11.81 ±9.6 10279 CAA PHS (CPSK, BW 884 MHz, Rolloff 0.58) PHS 11.81 ±9.6 10290 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.99 ±9.6 10293 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.99 ±9.6 10293 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.99 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 12.49 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 12.49 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 12.49 ±9.6 10293 AAB LTE-FDD (SC-FDMA, 50% RB, 3MHz, GPSK) LTE-FDD 6.60 ±9.6 10293 AAA LTE-FDD (SC-FDMA, 50% RB, 3MHz, GPSK) LTE-FDD 6.60 ±9.6 10293 AAA LT	L					
10261 CAE						
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10265 CAH	10264	CAH				
10267 CAH	10265	CAH				
10268 CAG	10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.13 ±9.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK) LTE-TDD 9.58 ±9.6 10274 CAC UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8.10) WCDMA 4.87 ±9.6 10275 CAC UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8.4) WCDMA 3.96 ±9.6 10277 CAA PHS (QPSK) PHS 11.81 ±9.6 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ±9.6 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 12.18 ±9.6 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ±9.6 10291 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.46 ±9.6 10292 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.50 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10294 <	10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ±9.6 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10) WCDMA 4.87 ±9.6 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.4) WCDMA 3.96 ±9.6 10277 CAA PHS (QPSK) PHS 11.81 ±9.6 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ±9.6 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 12.18 ±9.6 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ±9.6 10291 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.46 ±9.6 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ±9.6 10293 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.50 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC1, SO3, Hill Rate CDMA2000 3.50 ±9.6 10296 AAB CDMA2000, RC1, SO3, Hill Rate CDMA2000 3.50 ±9.6 10297 AAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ±9.6 10298 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ±9.6 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ±9.6 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ±9.6 10301 AAA IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WIMAX 12.57 ±9.6 10303 AAA IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, GPSK, PUSC) WIMAX 12.57 ±9.6 10304 AAA IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 12.52 ±9.6 10305 AAA IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 15.24 ±9.6 10305 AAA IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 15.24 ±9.6 10305 AAA IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 15.24 ±9.6 10306 AAA IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 15.24 ±9.6 10306 AAA IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 15.24 ±9.6	L			LTE-TDD	10.06	±9.6
10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ±9.6 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ±9.6 10277 CAA PHS (QPSK) PHS 11.81 ±9.6 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ±9.6 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 12.18 ±9.6 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ±9.6 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ±9.6 10292 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.39 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, RO3, RO3, RO3, RO3, RO3, RO3, RO3, R					10.13	±9.6
10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ±9.6 10277 CAA PHS (QPSK) PHS 11.81 ±9.6 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ±9.6 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 12.18 ±9.6 10290 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.91 ±9.6 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ±9.6 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ±9.6 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ±9.6 10297 AAE LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK) LTE-FDD 5.81 ±9.6 10298 AAE					9.58	±9.6
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10305 AAA IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WIMAX 15.24 ±9.6	10304	AAA	1			
10306 AAA IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols) WiMAX 14.67 ±9.6	10305	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)			
	10306	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	
10308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.49	±9.6
10309	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.48	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	iDEN 1:3	IDEN	10.51	±9.6
10314	AAA	iDEN 1:6	IDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Wavelorm, 40 MHz	Generic	6.27	±9.6
10400	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9,6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB		WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9,6
		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10462	AAC		LIE-IDD	0.00	
10462 10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10462 10463 10464	AAC AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD		±9.6 ±9.6
10462 10463 10464 10465	AAC AAD AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD LTE-TDD	8.56	·
10462 10463 10464 10465 10466	AAD AAD AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD	8.56 7.82	±9.6
10462 10463 10464 10465 10466 10467	AAC AAD AAD AAD AAG	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD LTE-TDD	8.56 7.82 8.32	±9.6 ±9.6
10462 10463 10464 10465 10466 10467 10468	AAC AAD AAD AAD AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD LTE-TDD LTE-TDD	8.56 7.82 8.32 8.57	±9.6 ±9.6 ±9.6
10462 10463 10464 10465 10466 10467 10468 10469	AAC AAD AAD AAD AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	8.56 7.82 8.32 8.57 7.82	±9.6 ±9.6 ±9.6 ±9.6
10462 10463 10464 10465 10466 10467 10468	AAC AAD AAD AAD AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	8.56 7.82 8.32 8.57 7.82 8.32	±9.6 ±9.6 ±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.45	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71 8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.47	±9.6 ±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UŁ Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% R8, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495 10496	AAG AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 30% RB, 20 MHz, 64-QAM, 0L Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40 8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6 ±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	<u>+</u> 9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512 10513	AAG AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42 8.45	±9.6 ±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525 10526	AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN WLAN	8.42	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.21 8.36	±9.6 ±9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577 10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10576	AAA		WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN	8.76	±9.6
10582	AAA	IEEE 802.11g Wiff 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.36 8.76	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6 ±9.6
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAC	IEEE 802.11n (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	±9.6
10599	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	±9.6
	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10601		IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
	AAC	TEEL OOZ, TER (FFT MIXEU, 40 WHIZ, MICO4, 30DC QUIV CVCIB)	,	, 5,00	1
10602	AAC AAC		WLAN	8 76	+9.6
10602 10603		IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN WLAN	8.76 8.97	±9.6 ±9.6
10602 10603 10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)		8.97	±9.6
10602 10603 10604 10605	AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN		

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.58	±9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN WLAN	8.86	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.87 8.77	±9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9,6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	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 WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636 10637	AAD AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	±9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.79	±9.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.86 8.85	±9.6 ±9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654		LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655 10658	AAF AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) Pulse Waveform (200Hz, 10%)	LTE-TDD	7.21	±9.6
10659	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test Test	6.99 3.98	±9.6 ±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9,6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9,6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679 10680	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN WLAN	8.80	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.83 8.42	±9.6 ±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8,28	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705		IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle) IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.66	±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 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, MCS4, 99pc duty cycle)	WLAN	8.29 8.39	±9.6 ±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	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	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9,6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
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, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9,6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10741			WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8,90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773 10774	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.30	±9.6
10777	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30 8.34	±9.6
10778	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34 8.42	±9.6 ±9.6
107780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,44	±9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795		5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAD	5G NR (CP-OFDM, 1 HB, 100MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.34	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.37 8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6
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MAD SAM GP-OFDM, 100×RB, 1000HL, OPSK, 500HL)	DID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
1989 AND SO NR CP-OPEM_I RS_10MHz, OPEM, 60MHz SO NR CP-OPEM_I RS_10MHz, OPEM, 60MHz SO NR CP-OPEM_I RS_10MHz, OPEM, 60MHz SO NR CP-OPEM_I RS_20MHz, OPEM_I		<u> </u>		· · · · · · · · · · · · · · · · · · ·		
1983 AAD SO NR (PC)-POIN, 1 RB, 19MHz, CPSK, 69MHz)	ļ	•				
1982 AAO SAN GRO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 77.7 ± 9.5. 1983 AAO SAN RRC-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.75 ± 9.6. 1983 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.75 ± 9.6. 1983 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.76 ± 9.6. 1983 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.68 ± 9.6. 1983 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.68 ± 9.6. 1983 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.68 ± 9.6. 1983 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.70 ± 9.6. 1984 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.70 ± 9.6. 1984 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.71 ± 9.6. 1984 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.71 ± 9.6. 1984 AAO SAN RC PO-FORM, 18, 20MHz, OPEK, 60Hz) 50 MR RRT TOD 7.71 ± 9.6. 1984 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.44 ± 9.6. 1984 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.44 ± 9.6. 1985 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.44 ± 9.6. 1985 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1985 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1985 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1985 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MR RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60Hz) 50 MRT RRT TOD 8.45 ± 9.6. 1986 AAO SAN RC PO-FORM, 20MHz, 0PEK, 60H	10831	AAD				
1983 AAD SG NR (CP-CPM, 1R8, 308Hz, CPSK, 600Hz)	10832	AAD				
1885 AAD SO NRICE-OFDM, 188, 30MHz, GPSK, 60MHz)	10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	1		
1885 AAD 8G NR (GP-CPEM, 18B, 30HMz, CPEK, 60MHz)	10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)			
1882 AAD SG NR (CP-CPEM, 178, 00MHz, CPSK, 00MHz)	10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	
10839 AAD SG NN (CP-OFFM, 1RB, 50MHz, OPSK, 50MHz) SG NN FRF 11 TOD 7.57 9.56	10836	AAD		5G NR FR1 TDD	7.66	±9.6
10840 ADD SG NR (CP-OFEM, 188, 30MHz, OPSK, 50MHz) SG NR FR1 TDD 771 156 10841 ADD SG NR (CP-OFEM, 188, 100MHz, OPSK, 50MHz) SG NR FR1 TDD 8.49 158 10843 ADD SG NR (CP-OFEM, 50% RR) 158 15	10837	AAD		5G NR FR1 TDD	7.68	<u>+</u> 9.6
1984 ADD SG NR (CP-OFDM, 198, 190MHz, CPSK, 690Hz) SG NR (FP1 TDD 7.77 5.65 1984 ADD SG NR (CP-OFDM, 50% RR F, 1984 CPSK, 690Hz) SG NR (FP1 TDD 6.34 1.65 1984 ADD SG NR (CP-OFDM, 50% RR F, 20MHz, CPSK, 690Hz) SG NR (FP1 TDD 6.34 1.65 1984 ADD SG NR (CP-OFDM, 50% RR F, 20MHz, CPSK, 690Hz) SG NR (FP1 TDD 6.34 1.65 1984 ADD SG NR (CP-OFDM, 190% RR F, 20MHz, CPSK, 690Hz) SG NR (FP1 TDD 6.34 1.65 1985 ADD SG NR (CP-OFDM, 190% RR F, 20MHz, CPSK, 690Hz) SG NR (FP1 TDD 6.34 1.65 1985 ADD SG NR (CP-OFDM, 190% RR F, 20MHz, CPSK, 690Hz) SG NR (FP1 TDD 6.35 1.65 1	10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
1884 ADS SA NE (PC-PGMS 50% RB, 15MHz, OPSK, 60MHz) SG NR FFH TIDD 8.49 4.95 5.95 1884 ADS SG NR (PC-PGMS 50% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.34 4.95 5.95 1885 ADS SG NR (PC-PGMS, 50% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.34 4.95 5.95 1885 ADS SG NR (PC-PGMS, 100% RB, 15MHz, OPSK, 60MHz) SG NR FFH TIDD 8.34 4.95 5.95 1885 ADS SG NR (PC-PGMS, 100% RB, 15MHz, OPSK, 60MHz) SG NR FFH TIDD 8.34 4.95 5.95 1885 ADS SG NR (PC-PGMS, 100% RB, 15MHz, OPSK, 60MHz) SG NR FFH TIDD 8.35 4.96 1885 ADS SG NR (PC-PGMS, 100% RB, 15MHz, OPSK, 60MHz) SG NR FFH TIDD 8.37 4.96 1885 ADS SG NR (PC-PGMS, 100% RB, 25MHz, OPSK, 60MHz) SG NR FFH TIDD 8.35 4.95 1885 ADS SG NR (PC-PGMS, 100% RB, 25MHz, OPSK, 60MHz) SG NR FFH TIDD 8.35 4.95 1885 ADS SG NR (PC-PGMS, 100% RB, 25MHz, OPSK, 60MHz) SG NR (PC-PGMS, 100% RB, 25MHz, OPSK, 60MHz) SG NR (PC-PGMS, 100% RB, 25MHz, OPSK, 60MHz) SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.41 8.95 1886 ADS SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.47 4.98 1886 ADS SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.47 4.98 1886 ADS SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.47 4.98 1886 ADS SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.47 4.98 1886 ADS SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.47 4.98 1886 ADS SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.48 1886 SG NR (PC-PGMS, 100% RB, 20MHz, OPSK, 60MHz) SG NR FFH TIDD 8.48 1886 SG NR (PC-		AAD		5G NR FR1 TDD	7.67	±9.6
1884 AAD 50 NR (CP-OFEM, 50% RB, 20 MHz, OPSK, 60 MHz)				5G NR FR1 TDD	7.71	±9.6
1988 AAD SA NR (IP-DEPM, 59% RB, 30 MFL, QPSK, 60 Hz) SG NR FRI TOD 8.34 4.9.6 1985 AAD SA NR (IP-DEPM, 1995 RB, 150 MFL, QPSK, 60 Hz) SG NR FRI TOD 8.36 4.9.6 1985 AAD SG NR (IP-DEPM, 1995 RB, 150 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.36 4.9.6 1985 AAD SG NR (IP-DEPM, 1995 RB, 150 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.36 4.9.6 1985 AAD SG NR (IP-DEPM, 1995 RB, 150 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.36 4.9.6 1985 AAD SG NR (IP-DEPM, 1995 RB, 150 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.36 4.9.6 1985 AAD SG NR (IP-DEPM, 1995 RB, 30 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.34 4.9.6 1985 AAD SG NR (IP-DEPM, 1995 RB, 30 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.36 4.9.6 1986 AAD SG NR (IP-DEPM, 1995 RB, 50 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.34 4.9.6 1988 AAD SG NR (IP-DEPM, 1995 RB, 50 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.40 4.9.6 1988 AAD SG NR (IP-DEPM, 1995 RB, 50 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.40 4.9.6 1988 AAD SG NR (IP-DEPM, 1995 RB, 50 MFL, QPSK, 60 Hz) SG NR FRI TDD 8.41 4.9.6 1988 AAD SG NR (IP-DEPM, 1995 RB, 50 MHL, QPSK, 60 Hz) SG NR FRI TDD 8.41 4.9.6 1988 AAD SG NR (IP-DEPM, 1995 RB, 60 MHL, QPSK, 60 Hz) SG NR FRI TDD 8.41 4.9.6 1988 AAD SG NR (IP-DEPM, 1995 RB, 60 MHL, QPSK, 60 Hz) SG NR FRI TDD 8.41 4.9.6 1988 AAD SG NR (IP-DEPM, 1995 RB, 1	ļ			5G NR FR1 TDD	8.49	±9.6
19855 AAD SO NR (GP-GPDM, 100% RB, 10MHz, GPSK, 60Hz) SG NR FRI TOD 8.36 9.9.6				5G NR FR1 TDD	8.34	±9.6
1985 AAD SO NR (GP-OFDM, 100% RB, 19MHz, QPSK, 60NHz) SG NR FRI TOD 8,39 19.6	<u></u>	· · · · · · · · · · · · · · · · · · ·				
10885 AAD SA NR (IP-DEPM, 100% RR, 20MHz, QPSK, 60HHz)	1					
1985 AAD SQ NR (CP-OFDM, 1007, RB, 25MHz, OFSK, 60MHz)	1					
19858 AAD SG NR (CP-CFDM, 100%, RB, 30MHz, CPSK, 60MHz) SG NR FRI TOD 8.38 49.8	L			<u> </u>		
1985 AAD 5G NR (CP-CPOM, 100% RB, 40MHz, CPSK, 60MHz)	ţ			L		
1988 AAD SG NR (CP-CPDM, 100% RB, SG MHz, CPSK, SGNHz)						
1986 AAD GG NR (CP-OFDM, 100% RB, 60 MHz, CPSK, 60 KHz) 5G NR FRI TDD 8.40 19.6	ļ					
10885 AAD GG NR (CP-OFDM, 100% RB, 60MHz, CPSK, 60KHz)	ļ			l - ·		
1986 AAD SG NR (CP-GFOM, 100% RB, 100MHz, CPSK, 601Hz)	ļ		, , , , , , , , , , , , , , , , , , , ,			
10866 AAD SG NR (GP-GFDM, 108, 100 MHz, GPSK, 60 kHz) SG NR FRI TDD S. 4.1 4.9.6 10866 AAD SG NR (GFT-S-OFDM, 1 RB, 100 MHz, GPSK, 30 kHz) SG NR FRI TDD S. 5.8 4.9.6 10866 AAD SG NR (GFT-S-OFDM, 1 RB, 100 MHz, GPSK, 30 kHz) SG NR FRI TDD S. 5.8 4.9.6 10868 AAD SG NR (GFT-S-OFDM, 1 RB, 100 MHz, GPSK, 120 kHz) SG NR FRI TDD S. 5.5 4.9.6 10870 AAE SG NR (GFT-S-OFDM, 1 RB, 100 MHz, GPSK, 120 kHz) SG NR FRI TDD S. 5.5 4.9.6 10871 AAE SG NR (GFT-S-OFDM, 1 RB, 100 MHz, GPSK, 120 kHz) SG NR FRI TDD S. 5.75 4.9.6 10871 AAE SG NR (GFT-S-OFDM, 1 RB, 100 MHz, GPSK, 120 kHz) SG NR FRI TDD S. 5.75 4.9.6 10872 AAE SG NR (GFT-S-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) SG NR FRI TDD S. 5.75 4.9.6 10873 AAE SG NR (GFT-S-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) SG NR FRI TDD S. 5.75 4.9.6 10874 AAE SG NR (GFT-S-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) SG NR FRI TDD S. 5.2 4.9.6 10875 AAE SG NR (GFT-S-OFDM, 1 RB, 100 MHz, 40 AM, 120 kHz) SG NR FRI TDD						
10886 AAD SG NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) SG NR FRI TDD 5.68 4.9.6	ļ			· · · · · · · · · · · · · · · · · · ·		
10869 AAD 5G NR (DFTs-OFDM, 109% RB, 100MHz, QPSK, 20kHz) 5G NR FR2 TDD 5.89 4.9.6 10870 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120kHz) 5G NR FR2 TDD 5.75 4.9.6 10871 AAE 5G NR (DFTs-OFDM, 107% RB, 100 MHz, 160AM, 120kHz) 5G NR FR2 TDD 5.75 4.9.6 10871 AAE 5G NR (DFTs-OFDM, 107% RB, 100 MHz, 160AM, 120kHz) 5G NR FR2 TDD 5.75 4.9.6 10873 AAE 5G NR (DFTs-OFDM, 107% RB, 100 MHz, 160AM, 120kHz) 5G NR FR2 TDD 5.75 4.9.6 10873 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, 640AM, 120kHz) 5G NR FR2 TDD 6.62 4.9.6 10873 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, 640AM, 120kHz) 5G NR FR2 TDD 6.61 4.9.6 10874 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, 640AM, 120kHz) 5G NR FR2 TDD 6.61 4.9.6 10875 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, 640AM, 120kHz) 5G NR FR2 TDD 7.78 4.9.6 10876 AAE 5G NR (DFO-OFDM, 1 RB, 100 MHz, 640AM, 120kHz) 5G NR FR2 TDD 7.78 4.9.6 10876 AAE 5G NR (DFO-OFDM, 1 RB, 100 MHz, 640AM, 120kHz) 5G NR FR2 TDD 7.78 4.9.6 10876 AAE 5G NR (DFO-OFDM, 1 RB, 100 MHz, 640AM, 120kHz) 5G NR FR2 TDD 7.95 4.9.6 10878 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 7.95 4.9.6 10878 AAE 5G NR (DFO-OFDM, 1 RB, 100 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 7.95 4.9.6 10879 AAE 5G NR (DFO-OFDM, 100W RB, 100 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 8.41 4.9.6 10880 AAE 5G NR (DFO-OFDM, 100W, RB, 100 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 8.12 4.9.6 10880 AAE 5G NR (DFO-OFDM, 100W, RB, 500 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 5.75 4.9.6 10880 AAE 5G NR (DFTs-OFDM, 100W, RB, 500 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 5.75 4.9.6 10880 AAE 5G NR (DFTs-OFDM, 100W, RB, 500 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 5.75 4.9.6 10880 AAE 5G NR (DFTs-OFDM, 100W, RB, 500 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 5.96 4.9.6 10880 AAE 5G NR (DFTs-OFDM, 100W, RB, 500 MHz, 100AMz, 120kHz) 5G NR FR2 TDD 5.66 4.9.6 10880 AA						
10889 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 Hz) 5G NR FR2 TDD 5.75 4.9.6 10871 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 Hz) 5G NR FR2 TDD 5.76 4.9.6 10872 AAE 5G NR (DFTs-OFDM, 18R, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 5.75 4.9.6 10872 AAE 5G NR (DFTs-OFDM, 18R, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 6.52 4.9.6 10873 AAE 5G NR (DFTs-OFDM, 18R, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 6.65 4.9.6 10874 AAE 5G NR (DFTs-OFDM, 18R, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 6.65 4.9.6 10875 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 6.65 4.9.6 10876 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 7.78 4.9.6 10876 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 7.78 4.9.6 10876 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, GPSK, 120 Hz) 5G NR FR2 TDD 7.95 4.9.6 10877 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, 100 MHz) 5G NR FR2 TDD 7.95 4.9.6 10879 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, 100 MHz) 5G NR FR2 TDD 7.95 4.9.6 10879 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, 100 MHz) 5G NR FR2 TDD 8.31 4.9.6 10880 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, 100 MHz) 5G NR FR2 TDD 8.12 4.9.6 10882 AAE 5G NR (DFO-OFDM, 100% RB, 100 MHz, 100 MHz) 5G NR FR2 TDD 8.12 4.9.6 10882 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 MHz, 100 MHz) 5G NR FR2 TDD 8.13 4.9.6 10882 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 MHz, 100 MHz) 5G NR FR2 TDD 5.75 4.9.6 10882 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 MHz, 100 MHz) 5G NR FR2 TDD 5.75 4.9.6 10882 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 MHz, 100 Mtz) 5G NR FR2 TDD 5.75 4.9.6 10882 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 MHz, 100 Mtz) 5G NR FR2 TDD 5.65 4.9.6 10882 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 100 MHz, 100 Mtz) 5G NR FR2 TDD 5.65 4.9.6 10882 AAE 5G NR (DFTS-OFDM, 100% RB,						
10870 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 4.9.6 10872 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 4.9.6 10873 AAE 5G NR (DFTs-OFDM, 1 NB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.65 4.9.6 10873 AAE 5G NR (DFTs-OFDM, 100% RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.66 4.9.6 10873 AAE 5G NR (DFTs-OFDM, 100% RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.66 4.9.6 10875 AAE 5G NR (DFTs-OFDM, 100% RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 7.78 4.9.6 10876 AAE 5G NR (DFTs-OFDM, 100% RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 7.78 4.9.6 10876 AAE 5G NR (DF-OFDM, 1 RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 7.95 4.9.6 10878 AAE 5G NR (DF-OFDM, 1 RB, 100 kHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 4.9.6 10878 AAE 5G NR (DF-OFDM, 1 RB, 100 kHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 4.9.6 10878 AAE 5G NR (DF-OFDM, 1 RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.11 4.9.6 10880 AAE 5G NR (DF-OFDM, 1 RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 4.9.6 10881 AAE 5G NR (DF-OFDM, 1 RB, 100 kHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 4.9.6 10881 AAE 5G NR (DF-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 5.75 4.9.6 10882 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 5.75 4.9.6 10882 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 5.75 4.9.6 10883 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 5.75 4.9.6 10883 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 5.75 4.9.6 10883 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 6.57 4.9.6 10883 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 6.65 4.9.6 10883 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 kHz, 0PSK, 120 kHz) 5G NR FR2 TDD 6.65 4.9.6 10883 AAE 5G NR (DFT-S-OFDM, 1						
10872 AAE SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 160AM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10873 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 60AM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10874 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10874 AAE SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 7.78 ±9.6 10877 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 7.95 ±9.6 10878 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10879 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10879 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 640AM, 120 kHz) SG NR FR2 TDD 8.38 ±9.6 10881 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10884 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10885 AAE SG NR (CP-S-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10886 AAE SG NR (CP-S-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 6.53 ±9.6 10887 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 6.53 ±9.6 10889 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10889 AAE SG NR (CP-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10889 AAE SG NR (CP-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz) SG NR FR2 TDD 6.61 ±9	<u></u>	AAE				
10872 AAE 5G NR (DFTs-OFDM, 100% RB, 100MHz, 4GAM, 120kHz) 5G NR FR2 TDD 6.62 ±9.6	10871	AAE		<u> </u>		
10873 AAE SG NR (DFTs-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) SG NR FR2 TDD 8.39 ±9.6 10877 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) SG NR FR2 TDD 8.39 ±9.6 10878 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.39 ±9.6 10879 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10879 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10881 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10883 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10884 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10885 AAE SG NR (CPT-S-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10886 AAE SG NR (CPT-S-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.53 ±9.6 10887 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10888 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10889 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10889 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.35 ±9.6 10889 AAE SG NR (CPT-S-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.40 ±9.6 10889 AAE SG NR (CPT-S-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.40 ±9.6	10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)			
10875 AAE 56 NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 7.78 49.6 10876 AAE 56 NR (CP-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 56 NR FR2 TDD 8.39 49.6 10878 AAE 56 NR (CP-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 56 NR FR2 TDD 8.41 49.6 10878 AAE 56 NR (CP-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) 56 NR FR2 TDD 8.41 49.6 10879 AAE 56 NR (CP-OFDM, 1 RB, 100 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 8.12 49.6 10880 AAE 56 NR (CP-OFDM, 1 RB, 100 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 5.75 49.6 10881 AAE 56 NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 5.75 49.6 10881 AAE 56 NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 5.75 49.6 10881 AAE 56 NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 5.96 49.6 10883 AAE 56 NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 5.96 49.6 10884 AAE 56 NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 kHz) 56 NR FR2 TDD 6.57 49.6 10885 AAE 56 NR (DFTs-OFDM, 1 RB, 50 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 6.57 49.6 10886 AAE 56 NR (DFTs-OFDM, 1 RB, 50 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 6.53 49.6 10887 AAE 56 NR (DFTs-OFDM, 1 RB, 50 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 6.65 49.6 10887 AAE 56 NR (DFTs-OFDM, 1 RB, 50 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 6.65 49.6 10889 AAE 56 NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 6.83 49.6 10889 AAE 56 NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 6.65 49.6 10889 AAE 56 NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 6.65 49.6 10889 AAE 56 NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 8.35 49.6 10889 AAE 56 NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 56 NR FR2 TDD 5.66 49.6 10890 AAE 56 NR (CP-OFDM, 1 RB, 50 MHz, 640 AM, 120 kHz) 56 NR FR2 TDD 5.66 49.6 10890 AAB 56 NR (DFTs-OFD	10873	AAE				
10876 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ±9.6 10877 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 7.95 ±9.6 10878 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.11 ±9.6 10879 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz) 5G NR FR2 TDD 8.38 ±9.6 10881 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10882 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) 5G NR FR2 TDD 6.67 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 640 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 640 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10888 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 640 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 640 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DFTS-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DFTS-OFDM, 1 RB, 50 MHz, 40 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DFTS-OFDM, 1 RB, 50 MHz, 40 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10890 AAE 5G NR (DFTS-OFDM, 1 RB, 50 MHz, 60 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9	10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	
10877 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 ±9.6 10878 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 18, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10881 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 40 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 40 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DPT-s-OFDM, 100% RB, 50 MHz, 40 AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60 AM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60 AM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60 AM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10890 AAE 5G NR (CP-OFDM,	10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10878 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10879 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ±9.6 10881 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.57 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.661 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.651 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.651 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.853 ±9.6 10889 AAE 5G NR (CP-OFDM, 18B, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10890 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10890 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10890 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10890 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10890 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10890 AAB 5G NR (DFT-s-OFDM, 1 RB, 5	10876	AAE		5G NR FR2 TDD	8.39	±9.6
10879 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10881 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10888 AAE 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 18, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10890 AAE 5G NR (CP-OFDM, 18, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAE 5G NR (CP-OFDM, 18, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10892 AAE 5G NR (CP-OFDM, 18, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10893 AAE 5G NR (CP-OFDM, 18, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.14 ±9.6 10894 AAE 5G NR (CP-OFDM, 18, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.14 ±9.6 10895 AAE 5G NR (CP-OFDM, 18, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.14 ±9.6 10896 AAE 5G NR (CP-OFDM, 18, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.66 ±9.6 10897 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAE 5G NR (DFT-s-OFDM, 1 RB, 50		AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10880 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.75 ±9.6 10881 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.75 ±9.6 10883 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10883 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10884 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10885 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD SG N			· · · · · · · · · · · · · · · · · · ·	5G NR FR2 TDD	8.41	±9.6
10881 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10883 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.57 ±9.6 10884 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.53 ±9.6 10885 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10886 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (DFTS-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 6.78 ±9.6 10889 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 8.02 ±9.6 10889 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 8.02 ±9.6 10889 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 8.02 ±9.6 10889 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, GAQAM, 120 kHz) SG NR FR2 TDD 8.40 ±9.6 10890 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, GAQAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10891 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, GAQAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10892 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, GAQAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10893 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, GAQAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10894 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, GAQAM, 120 kHz) SG NR FR1 TDD 5.66 ±9.6 10895 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, GAQAM, 120 kHz) SG NR FR1 TDD 5.66 ±9.6 10896 AAB SG NR (DFTs-OFDM, 1 RB, 50 MHz, GAQAM, 120 kHz) SG NR FR1 TDD 5.66 ±9.6 10897 AAC SG NR (DFTs-OFDM, 1 RB, 50 MHz, GAQAM, 120 kHz) SG NR FR1 TDD 5.68 ±9.6 10908 AAB SG NR (DFTs-OFDM, 1 RB, 50 MHz, GAQAM, 120 kHz) SG NR FR1 TDD 5.68 ±9.6 10909 AA				5G NR FR2 TDD	8.12	±9.6
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10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAB 5G NR (DFT-s-OFDM, 1 RB, 20MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 30MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 40MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30kHz) 5G NR FR1 TDD <t< td=""><td>J</td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td><td></td></t<>	J		· · · · · · · · · · · · · · · · · · ·			
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10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6						
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10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		
10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6		AAB		5G NR FR1 TDD	5.68	
10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6				5G NR FR1 TDD	5.68	±9.6
10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6				5G NR FR1 TDD	5.68	±9.6
10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6					5.68	±9.6
10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6					5.78	±9.6
10910 AAB 3G NH (DF I-S-OFDM, 50% HB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.83 ±9.6						
	10910	AAB	5G NH (UF I-S-OFDM, 50% HB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86 5.87	±9.6 ±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.51 5.51	±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6 ±9.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948 10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.94	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.87 5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6 ±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962 10963	AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAC	5G NR DL (CP-OFDM, 1M 3.1, 20 MHz, 64-QAM, 15 KHz) 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.55 9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.29	±9.6 ±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
		ULLA HDR8	ULLA	10.32	±9.6
10980	AAA				
	AAA AAA	ULLA HDRp4 ULLA HDRp8	ULLA	3.19 3.43	±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	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	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL. (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAA	IEEE 802.11be (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	±9.6
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±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	8.42	±9.6
11025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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

Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS)

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Client Element

Morgan Hill, USA

ac-MRA



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

Accreditation No.: SCS 0108

Certificate No. CLA13-1004_Nov23

CALIBRATION CERTIFICATE

Object

CLA13 - SN: 1004

Calibration procedure(s)

QA CAL-15,v10

Calibration Procedure for SAR Validation Sources below 700 MHz

Calibration date:

November 09, 2023

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Certificate No: CLA13-1004_Nov23

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: CC2552 (20x)	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: 3877	06-Jan-23 (No. EX3-3877_Jan23)	Jan-24
DAE4	SN: 654	27-Jan-23 (No. DAE4-654_Jan23)	Jan-24
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter NRP2	SN: 107193	08-Nov-21 (in house check Dec-22)	In house check: Dec-24
Power sensor NRP-Z91	SN: 100922	15-Dec-09 (in house check Dec-22)	In house check: Dec-24
Power sensor NRP-Z91	SN: 100418	01-Jan-04 (in house check Dec-22)	In house check: Dec-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name .	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Sven Kühn	Technical Manager	<u>C</u> -2

Issued: November 14, 2023

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Calibration Laboratory of

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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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:

Certificate No: CLA13-1004_Nov23

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%.

Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	ELI4 Flat Phantom	Shell thickness: 2 ± 0.2 mm
EUT Positioning	Touch Position	
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	13 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

The following parameters and excesses and expenses and expenses and expenses and excess and expenses are expenses and expenses and expenses and expenses and expenses and expenses are expenses and expenses are expenses and expenses and expenses are expenses and expenses are expenses and expenses are expenses and expe	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	55.0	0.75 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	53.4 ± 6 %	0.71 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	1 W input power	0.557 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	0.578 W/kg ± 18.4 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	1 W input power	0.343 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	0.356 W/kg ± 18.0 % (k=2)

Certificate No: CLA13-1004_Nov23

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	55.4 Ω - 1.8 jΩ
Return Loss	- 25.3 dB

Additional EUT Data

Manufac	ared by	SPEAG
Manulac	uted by	

Certificate No: CLA13-1004_Nov23

DASY5 Validation Report for Head TSL

Date: 09.11.2023

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: CLA13; Type: CLA13; Serial: CLA13 - SN: 1004

Communication System: UID 0 - CW; Frequency: 13 MHz

Medium parameters used: f = 13 MHz; $\sigma = 0.71$ S/m; $\varepsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN3877; ConvF(15.33, 15.33, 15.33) @ 13 MHz; Calibrated: 06.01.2023

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

• Electronics: DAE4 Sn654; Calibrated: 27.01.2023

Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2034

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

CLA Calibration for HSL-LF Tissue/CLA-13, touch configuration, Pin=1W/Zoom Scan,

dist=1.4mm (8x10x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 30.69 V/m; Power Drift = -0.09 dB

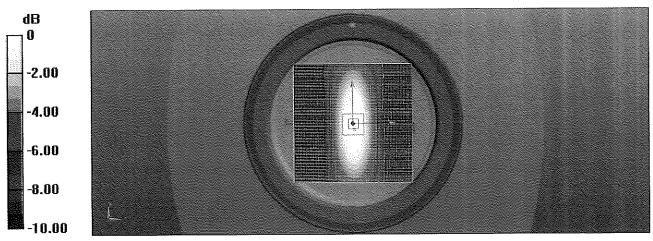
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.343 W/kg

Smallest distance from peaks to all points 3 dB below = 22.9 mm

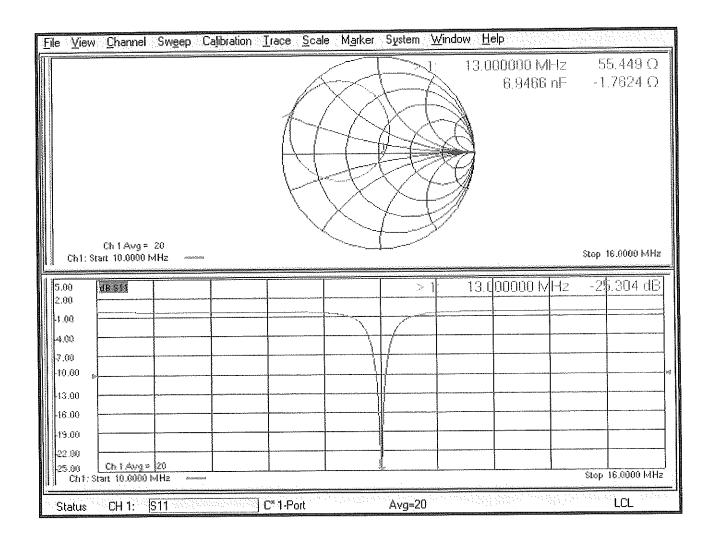
Ratio of SAR at M2 to SAR at M1 = 77.8%

Maximum value of SAR (measured) = 0.832 W/kg



0 dB = 0.832 W/kg = -0.80 dBW/kg

Impedance Measurement Plot for Head TSL



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





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Client

Element

Certificate No: D750V3-1057_May22

CALIBRATION CERTIFICATE

Object

D750V3 - SN:1057

Calibration procedure(s)

QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

61172

Calibration date:

May 16, 2022

YW 5/24/2023

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 7349	31-Dec-21 (No. EX3-7349_Dec21)	Dec-22
DAE4	SN: 601	02-May-22 (No. DAE4-601_May22)	May-23
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22
	Name	Function	Signature
Calibrated by:	Aldonia Georgiadou	Laboratory Technician	A .
			May
Approved by:	Sven Kühn	Technical Manager	\sim 2
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Issued: May 17, 2022

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Certificate No: D750V3-1057 May22

Page 1 of 8

Calibration Laboratory of Schmid & Partner **Engineering AG**







Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura **Swiss Calibration Service**

Accreditation No.: SCS 0108

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Glossary:

TSL

tissue simulating liquid

ConvF N/A

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%.

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	40.9 ± 6 %	0.89 mho/m ± 6 %	
Head TSL temperature change during test	< 0.5 °C	40 AI II II		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.14 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.51 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.40 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.58 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity Conductiv		
Nominal Body TSL parameters	22.0 °C	55.5	0.96 mho/m	
Measured Body TSL parameters	(22.0 ± 0.2) °C	54.1 ± 6 %	0.95 mho/m ± 6 %	
Body TSL temperature change during test	< 0.5 °C			

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	2.19 W/kg
SAR for nominal Body TSL parameters	normalized to 1W [°]	8.80 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	1.45 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	5.80 W/kg ± 16.5 % (k=2)

Certificate No: D750V3-1057_May22 Page 3 of 8

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	. 52.7 Ω - 1.5 jΩ
Return Loss	- 30.4 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	48.3 Ω - 6.0 jΩ		
Return Loss	- 23.9 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

	T	7-10
Manufactured by		SPEAG

DASY5 Validation Report for Head TSL

Date: 16.05.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1057

Communication System: UID 0 - CW; Frequency: 750 MHz

Medium parameters used: f = 750 MHz; $\sigma = 0.89 \text{ S/m}$; $\varepsilon_r = 40.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

• Probe: EX3DV4 - SN7349; ConvF(10.11, 10.11, 10.11) @ 750 MHz; Calibrated: 31.12.2021

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

• Electronics: DAE4 Sn601; Calibrated: 02.05.2022

• 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 = 59.41 V/m; Power Drift = -0.02 dB

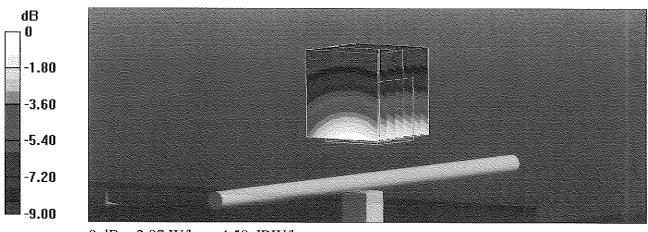
Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.4 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

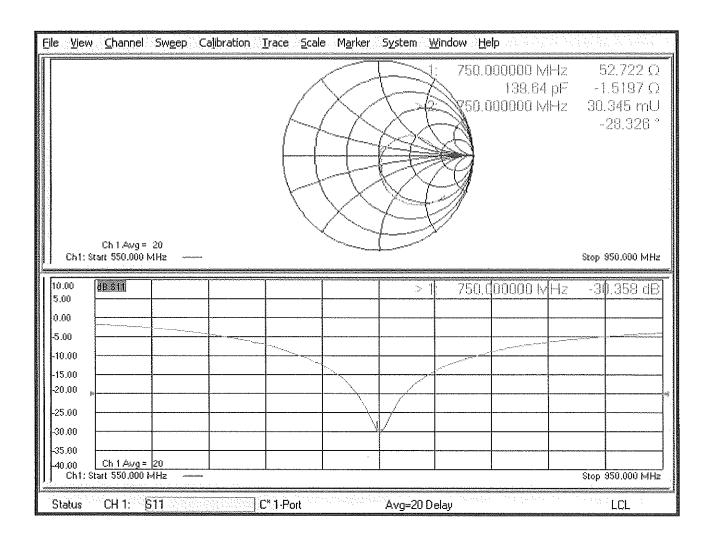
Ratio of SAR at M2 to SAR at M1 = 65.1%

Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 2.87 W/kg = 4.58 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 16.05.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1057

Communication System: UID 0 - CW; Frequency: 750 MHz

Medium parameters used: f = 750 MHz; $\sigma = 0.95$ S/m; $\varepsilon_r = 54.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(10.23, 10.23, 10.23) @ 750 MHz; Calibrated: 31.12.2021

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

• Electronics: DAE4 Sn601; Calibrated: 02.05.2022

• Phantom: Flat Phantom 4.9 (Back); Type: QD 00R P49 AA; Serial: 1005

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

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.35 V/m; Power Drift = 0.01 dB

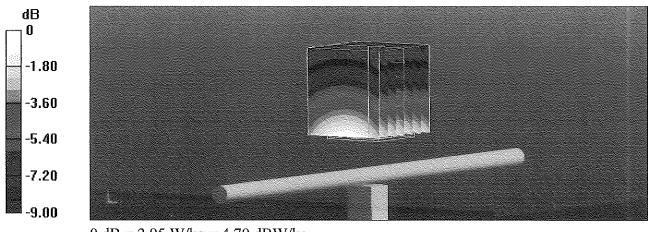
Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.45 W/kg

Smallest distance from peaks to all points 3 dB below = 18.4 mm

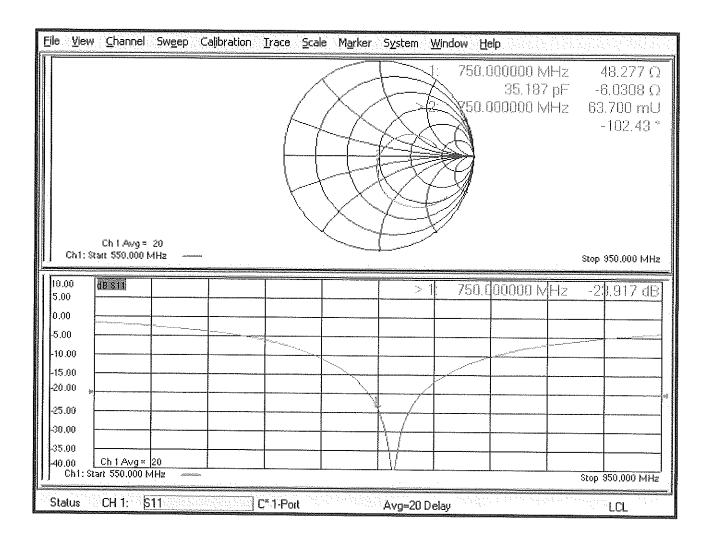
Ratio of SAR at M2 to SAR at M1 = 65.5%

Maximum value of SAR (measured) = 2.95 W/kg



0 dB = 2.95 W/kg = 4.70 dBW/kg

Impedance Measurement Plot for Body TSL





Element Materials Technology Morgan Hill



Morgan Hill

18855 Adams Ct, Morgan Hill, CA 95037 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com

Certification of Calibration

Object D750V3 – SN: 1057

Calibration procedure(s) Procedure for Calibration Extension for SAR Dipoles.

Extended Calibration date: May 16, 2023

Description: SAR Validation Dipole at 750 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	8753ES	S-Parameter Vector Network Analyzer	6/14/2022	Annual	6/14/2023	US39170118
Agilent	E4438C	ESG Vector Signal Generator	11/17/2022	Annual	11/17/2023	MY45093852
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Rohde & Schwarz	NRX	Power Meter	1/11/2023	Annual	1/11/2024	102583
Rohde & Schwarz	NRP-Z81	Wide Band Power Sensor	5/19/2022	Annual	5/19/2023	106562
Rohde & Schwarz	NRP-Z81	Wide Band Power Sensor	5/19/2022	Annual	5/19/2023	106559
Traceable	4040 90080-06	Therm./ Clock/ Humidity Monitor	5/11/2022	Biennial	5/11/2024	221514974
Control Company	4353	Long Stem Thermometer	9/10/2021	Biennial	9/10/2023	210774685
Agilent	85033E	3.5mm Standard Calibration Kit	6/21/2022	Annual	6/21/2023	MY53402352
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Mini-Circuits	ZHDC-16-63-S+	50-6000MHz Bidirectional Coupler	CBT	N/A	CBT	N/A
Pasternack	NC-100	Torque Wrench	12/5/2022	Biennial	12/5/2024	N/A
SPEAG	DAK-3.5	Dielectric Assessment Kit	8/15/2022	Annual	8/15/2023	1041
SPEAG	EX3DV4	SAR Probe	2/13/2023	Annual	2/13/2024	7427
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/15/2023	Annual	2/15/2024	1403

Measurement Uncertainty = ±23% (k=2)

	Name	Function	Signature
Calibrated By:	Arturo Oliveros	Compliance Engineer I	10
Approved By:	Greg Snyder	Executive VP of Operations	Lugg M. Syl

Object:	Date Issued:	Page 1 of 4
D750V3 - SN: 1057	05/16/2023	Page 1 of 4

DIPOLE CALIBRATION EXTENSION

Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

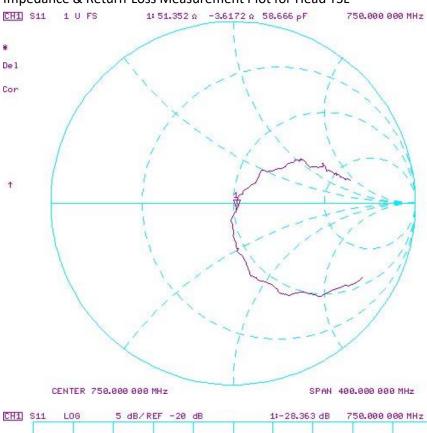
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance does not deviate more than 5Ω from the previous measurement.

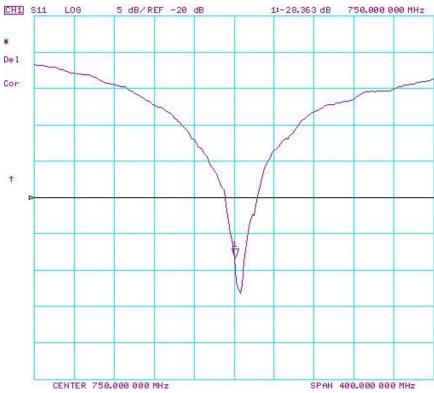
The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from the calibration date:

Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 23.0 dBm	Measured Head SAR (1g) W/kg @ 23.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 23.0 dBm	Measured Head SAR (10g) W/kg @ 23.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary		Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
5/16/2022	5/16/2023	1.038	1.702	1.59	-6.58%	1.12	1.05	-5.91%	52.7	51.4	1.3	-1.5	-3.6	2.1	-30.4	-28.4	6.70%	PASS
Calibration Date	Extension Date	Certificate Electrical Delay (ns)		Measured Body SAR (1g) W/kg @ 23.0 dBm	Deviation 1g (%)	Certificate SAR Target Body (10g) W/kg @ 23.0 dBm	Measured Body	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real	Measured Impedance Body (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary		Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
5/16/2022	5/16/2023	1.038	1.76	1.66	-5.68%	1.16	1.13	-2.59%	48.3	46.7	1.6	-6	-3.8	2.2	-23.9	-25.5	-6.80%	PASS

Object:	Date Issued:	Page 2 of 4
D750V3 – SN: 1057	05/16/2023	r age 2 01 4

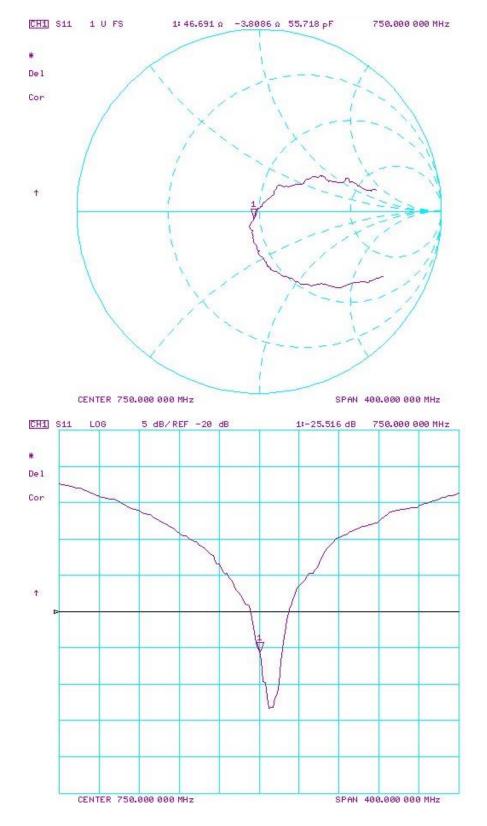
Impedance & Return-Loss Measurement Plot for Head TSL





Object:	Date Issued:	Page 3 of 4
D750V3 – SN: 1057	05/16/2023	Page 3 of 4

Impedance & Return-Loss Measurement Plot for Body TSL



Object:	Date Issued:	Page 4 of 4
D750V3 – SN: 1057	05/16/2023	Page 4 of 4

Calibration Laboratory of Schmid & Partner

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client Element

Morgan Hill, USA

Certificate No. D750V3-1097_Sep23

CALIBRATION CERTIFICATE

Object

D750V3 - SN:1097

Calibration procedure(s)

QA CAL-05.v12

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

Calibration date:

September 13, 2023

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE 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: 7349	10-Jan-23 (No. EX3-7349_Jan23)	Jan-24
DAE4	SN: 601	19-Dec-22 (No. DAE4-601_Dec22)	Dec-23
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Paulo Pina	Laboratory Technician	
			1/1/1
Approved by:	Sven Kühn	Technical Manager	
Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A Calibrated by:	SN: MY41093315 SN: 100972 SN: US41080477 Name Paulo Pina	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

Issued: September 14, 2023

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

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





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Glossary:

TSL

N/A

tissue simulating liquid

ConvF

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%.

Certificate No: D750V3-1097_Sep23

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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	42.4 ± 6 %	0.90 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition		
SAR measured	250 mW input power	2.08 W/kg	
SAR for nominal Head TSL parameters	normalized to 1W	8.27 W/kg ± 17.0 % (k=2)	

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.35 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.38 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	55.5	0.96 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	55.8 ± 6 %	0.96 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		74. VI A

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	2.16 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	8.67 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	1.43 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	5.71 W/kg ± 16.5 % (k=2)

Certificate No: D750V3-1097_Sep23 Page 3 of 8

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	55.2 Ω + 2.5 jΩ
Return Loss	- 25.2 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	48.9 Ω - 3.2 jΩ
Return Loss	- 29.2 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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Certificate No: D750V3-1097_Sep23

DASY5 Validation Report for Head TSL

Date: 13.09.2023

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1097

Communication System: UID 0 - CW; Frequency: 750 MHz

Medium parameters used: f = 750 MHz; $\sigma = 0.9 \text{ S/m}$; $\varepsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

• Probe: EX3DV4 - SN7349; ConvF(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 = 59.61 V/m; Power Drift = -0.03 dB

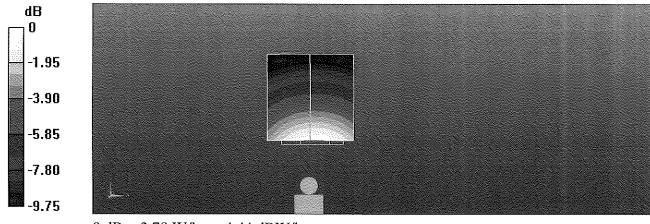
Peak SAR (extrapolated) = 3.17 W/kg

SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.35 W/kg

Smallest distance from peaks to all points 3 dB below = 16.8 mm

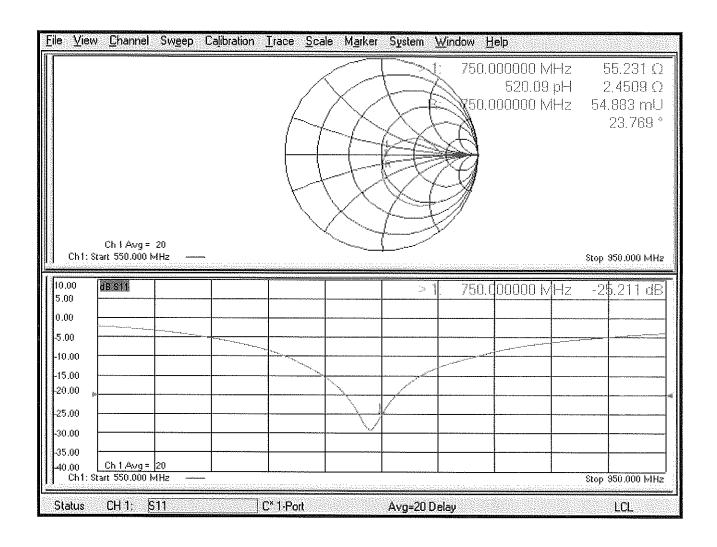
Ratio of SAR at M2 to SAR at M1 = 65.4%

Maximum value of SAR (measured) = 2.78 W/kg



0 dB = 2.78 W/kg = 4.44 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 05.09.2023

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1097

Communication System: UID 0 - CW; Frequency: 750 MHz

Medium parameters used: f = 750 MHz; $\sigma = 0.96 \text{ S/m}$; $\varepsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(10.23, 10.23, 10.23) @ 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 (Back); Type: QD 00R P49 AA; Serial: 1005

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

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.05 V/m; Power Drift = 0.03 dB

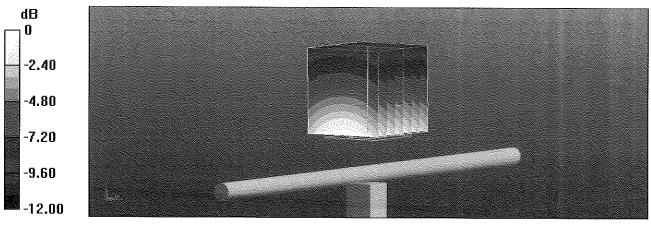
Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.43 W/kg

Smallest distance from peaks to all points 3 dB below = 20.5 mm

Ratio of SAR at M2 to SAR at M1 = 66.6%

Maximum value of SAR (measured) = 2.88 W/kg



0 dB = 2.88 W/kg = 4.60 dBW/kg

Impedance Measurement Plot for Body TSL

