APPENDIX G: CALIBRATION CERTIFICATES

Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kallbrierdienst
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

Client

Element Morgan Hill, USA

Certificate No.

EX-7668_Sep24

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7668

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

9/10/24

Calibration date

September 04, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	1D	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660_Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-24)	In house check: Jun-26
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

Name

Function

Signature

Calibrated by

Joanna Lleshal

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: September 04, 2024

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

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Glossary

TSL NORMx,y,z tissue simulating liquid sensitivity in free space

NORMX,y,

sensitivity in TSL / NORMx,y,z

ConvF DCP

diode compression point

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

Polarization φ

 φ rotation around probe axis

Polarization 0

 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

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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 (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 ConvF.
- 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 ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 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 ±50 MHz to ±100 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).

Parameters of Probe: EX3DV4 - SN:7668

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (μV/(V/m)²) A	0.62	0.59	0.63	±10.1%
DCP (mV) B	104.2	104.9	102.6	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
0.15			dB	ďΒ√μ∇		dB	m۷	dev.	Unc ^E
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	132.7	±2.1%	±4.7%
·		Y	0.00	0.00	1.00	į	142.4		
		Z	0.00	0.00	1.00		132.8		
10352	Pulse Waveform (200Hz, 10%)	X	1.56	60.94	6.70	10.00	60.0	±3.3%	±9.6%
	, , ,	Y	1.49	60.42	6.13		60.0		
		Z	1.53	60.68	6.43	ĺ	60.0	1	
10353	Pulse Waveform (200Hz, 20%)	│ X	0.78	60.00	5.13	6.99	80.0	±2.2%	±9.6%
	, , ,	Y	0.82	60.00	4.78	1	80.0	1	
		Z	20.00	74.00	9.00	1	80.0	1	
10354	Pulse Waveform (200Hz, 40%)	X	0.27	151.69	2.13	3.98	95.0	±2.9%	±9.6%
	, , ,	Y	78.00	74.00	7.00	ĺ	95.0]	
		Z	0.03	129.30	0.78	1	95.0	1	
10355	Pulse Waveform (200Hz, 60%)	X	0.28	60.00	3.18	2.22	120.0	±1.5%	±9.6%
	, , ,	Y	9.53	157.10	18.54	1	120.0	ĺ	
		Z	6.31	159.94	18.57	}	120.0	1	
10387	QPSK Waveform, 1 MHz	. X	1.02	72.84	17.93	1.00	150.0	±3.6%	±9.6%
	,	Y	0.48	62.04	11.07		150.0	1	
		Z	0.50	62.18	11.54	1	150.0	1	
10388	QPSK Waveform, 10 MHz	⊤ x	1.76	70.03	16.64	0.00	150.0	±1.1%	±9.6%
		Y	1.22	64.64	12.93	1	150.0	1	
		Z	1.26	64.87	13.28	1	150.0	1	
10396	64-QAM Waveform, 100 kHz	X	1.67	64.45	16.61	3.01	150.0	±1.3%	±9.6%
	· ·	Y	1.65	64.10	15.54	1	150.0	1	
		Ž	1.52	62.79	15.23	1	150.0	1	
10399	64-QAM Waveform, 40 MHz	Х	3.04	67.40	16.01	0.00	150.0	±1.8%	±9.6%
	·	Y	2.74	65.88	14.73	1	150.0]	
		Z	2.77	65.82	14.85	1	150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.99	66.55	15.85	0.00	150.0	±3.2%	±9.6%
		Y	3.70	65.68	14.96	1	150.0]	
		Z	3.91	66.38	15.44	1	150.0	L	

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 Page 5).

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.

Parameters of Probe: EX3DV4 - SN:7668

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	10.5	75.91	33.81	2.42	0.00	4.90	0.00	0.03	1.00
у_	9.1	66.02	33.24	3.43	0.00	4.90	0.42	0.00	1.00
Z	9.3	68.79	34.39	0.92	0.00	4.90	0.00	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-76.5°
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 Callbration 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:7668

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 ^H (k = 2)
750	41.9	0.89	8.79	9.18	8.81	0.31	1.27	±11.0%
835	41.5	0.90	8.53	8.90	8.54	0.31	1.27	±11.0%
1750	40.1	1.37	7.55	7.88	7.56	0.32	1.27	±11.0%
1900	40.0	1.40	7.27	7.60	7.29	0.32	1.27	±11.0%
2300	39.5	1.67	7.01	7.32	7.02	0.32	1.27	±11.0%
2450	39.2	1.80	6.88	7.18	6.89	0.33	1.27	±11.0%
2600	39.0	1.96	6.80	7.10	6.81	0.33	1.27	±11.0%
3300	38.2	2.71	6.25	6.52	6.26	0.34	1.27	±13.1%
3500	37.9	2.91	6.14	6.41	6.15	0.34	1.27	±13.1%
3700	37.7	3.12	6.06	6.33	6.07	0.34	1.27	±13.1%
3900	37.5	3.32	5.96	6.23	5.97	0.34	1.27	±13.1%
4100	37.2	3.53	5.83	6.09	5.84	0.34	1.27	±13.1%
4400	36.9	3.84	5.69	5.94	5.70	0.35	1.27	±13.1%
4600	36.7	4.04	5.65	5.90	5.65	0.35	1.27	±13.1%
4800	36.4	4.25	5.59	5.84	5.60	0.35	1.27	±13.1%
4950	36.3	4.40	5.51	5.75	5.52	0.34	1.27	±13.1%

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 ±5% from the target values (typically better than ±3%)

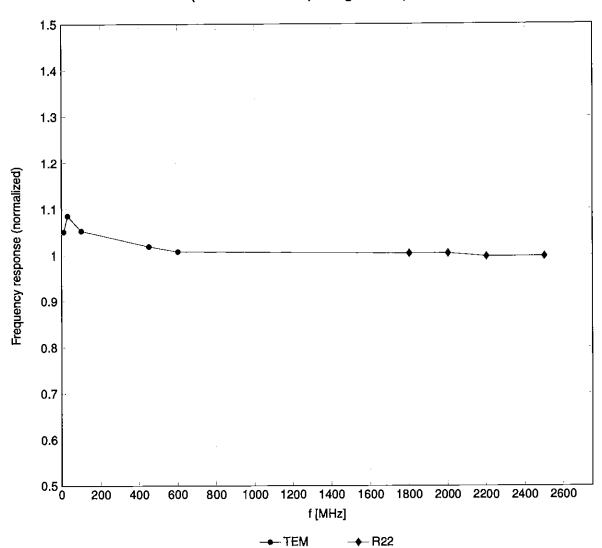
and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

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

H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

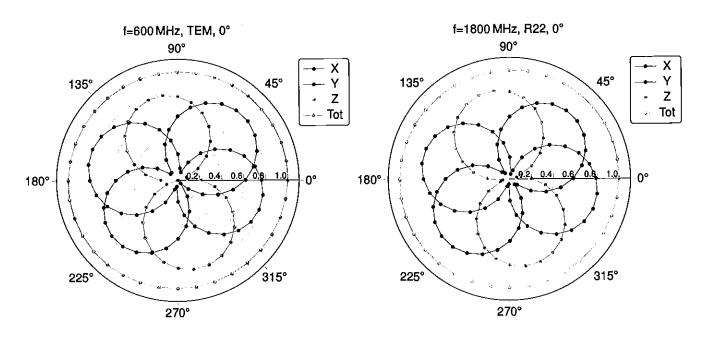
Frequency Response of E-Field

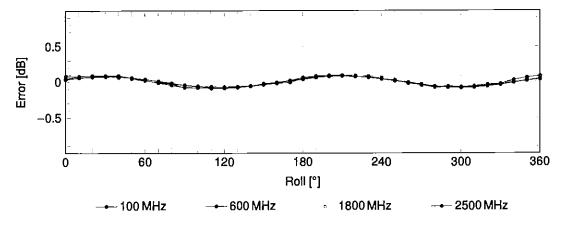
(TEM-Cell:ifi110 EXX, Wavegulde:R22)



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

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

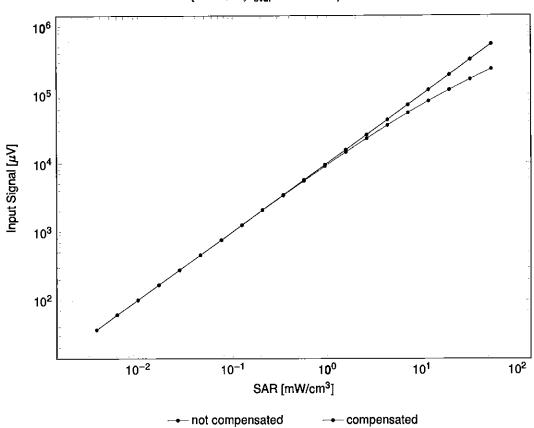


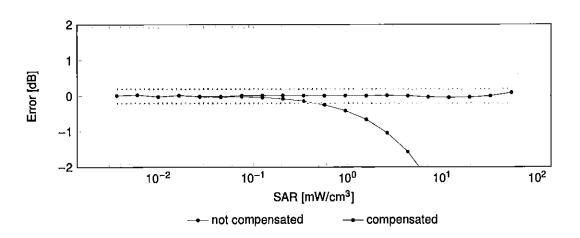


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

Dynamic Range f(SAR_{head})

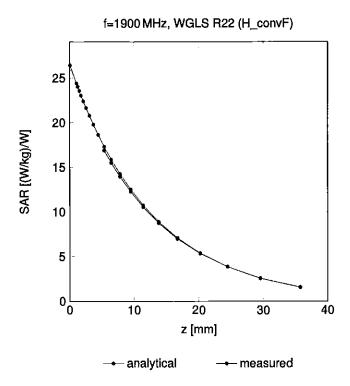
(TEM cell, $f_{\text{eval}} = 1900\,\text{MHz}$)





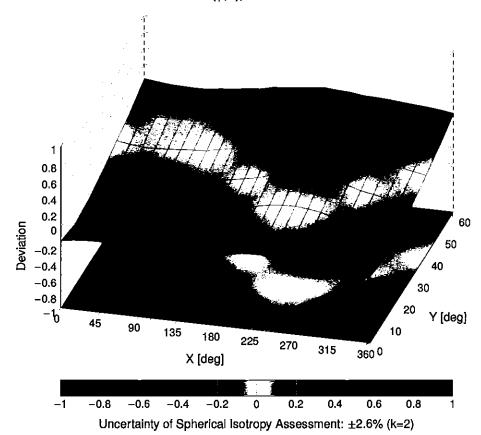
Uncertainty of Linearity Assessment: ±0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ) , f = 900 MHz



Appendix: Modulation Calibration Parameters

ו סנט ו	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
012	1107	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
	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
10 025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
	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
	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6 ±9.6
	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth CDMA2000	4.10 4.57	±9.6
	CAB	CDMA2000 (1xRTT, RC1)	AMPS	7.78	±9.6
	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
	CAA	DECT (TDD, TDMA/FDM, GFSK, Pull Slot, 24)	DECT	10.79	±9.6
	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
	CAE	IEEE 802.11a/h WiFl 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
	ÇAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
	CAE	IEEE 802,11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
	CAE	IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
<u> </u>	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10089	CAE	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 WiFl 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
	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.60	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

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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	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6_
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	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, 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, 1.4MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 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-TOD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TOD	9.92	±9.6 ±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	10.05 5.75	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	6.43	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD LTE-FDD	5.79	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	6.49	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.62	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	5.82	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) 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
10162	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	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	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, 15MHz, 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 ±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51 6.50	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	5.73	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	6.52	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10189	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10 194	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10195	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	ÇAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6
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.				PAR (dB)	Unc ^E k = 2
UID	Rev	Communication System Name	Group WCDMA	5.97	±9.6
10225	CAC	UMTS-FDD (HSPA+)	LTE-TDD	9.49	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TOD	10.26	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TOD	9.22	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10231	CALL	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10232	CAH		LTE-TDD	10.25	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10236 10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
	CAH	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TOD	10.25	±9.6
	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QFSK)	LTE-TDD	9.82	±9.6
		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10243	CAC		LTE-TDD	10.06	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
			LTE-TDD	10.09	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10249		LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TOD	9.20	±9.6
10255	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 10-QAM)	LTE-TOD	10.08	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10255	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH		LTE-TDD	9.92	±9.6
10266	ÇAH		LTE-TDD	10.07	±9.6
10267	CAH		LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10209	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10277	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10279	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10290	AAB	CDMA2000, RC3, SC55, Full Rate	CDMA2000	3.46	±9.6
10291	AAB	CDMA2000, RC3, SO33, Full Rate	CDMA2000	3.39	±9.6
10292	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
10295	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10298	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, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10300	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10301	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
-			WIMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
		IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
10305	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 16 symbols)	WIMAX	14.67	±9.6
10300	AAA	TILLE GOZ. TOB VYIMAN (28.10, TOTHS, TOWINS, 04-QAM, FUSO, TO SYMBOLS)	TITINA	14.07	1.5.0

Lub	Boy	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10307	Rev	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±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	AAE	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 Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	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 WiFl 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFl 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	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	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	W-CDMA (BS Test Model 1, 64 DPCH)	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-TOD	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 7.48	±9.6 ±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	WCDMA	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	Test	10.00	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFI (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6 ±9.6
10456	AAD		WCDMA	6.62	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10458	AAA		CDMA2000 CDMA2000	8.25	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	WCDMA	2.39	±9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	LTE-TDD	7.82	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.30	±9.6
10462	AAC		LTE-TOD	8.56	±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 (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.57	±9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, 0L 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	7.82	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QFSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.56	±9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,6,9)	LTE-TDD	7.82	±9.6
10470	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
104/1	AAG	LIE-TOD (GO-FDIMM, I FID, TOWITE, TO-GANI), OF GODITATIO-2,0,4,7,0,8)	100	0.02	

UlD	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-TOD	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-TOD	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-TDD	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
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±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, UL 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-TOD	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% 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	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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-TOD	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-TOD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, ÜL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74 8.36	±9.6 ±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.99	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.51	±9.6
10511	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515		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	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WIFI (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFl (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

			Group	PAR (dB)	Unc ^E k = 2
UID	Rev	Communication System Name	WLAN	8.46	±9.6
10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.65	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10544 10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFI (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	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 WiFl 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN WLAN	8.60 8.70	±9.6 ±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11a/h WiFl 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duly cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76 8.97	±9.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duly cycle)	WLAN	8.82	±9.6
10606 10607	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6
10000	עאט	THE CORT TWO ALL LEGALITY INCOMES SAND ONLY CACION	11 LOUIS	1 _0.77	2,0.0

NOTE Communication System Name Group PAR (69) Unc.** K = 2 10600 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.73 4.85 10610 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.74 4.85 10611 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.77 4.85 10610 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.77 4.85 10610 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.77 4.95 10611 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.83 4.95 10612 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.83 4.95 10616 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 5.82 4.95 10617 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 6.82 4.95 10618 AAD EEE 60.21 to WIF (2004KL MCSS, 50pc duly cycle) WLAN 6.82 4.95 10618 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.85 4.95 10619 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.85 4.95 10610 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.85 4.95 10620 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.87 4.95 10621 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.87 4.95 10622 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.87 4.95 10622 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.87 4.95 10622 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.87 4.95 10622 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.86 4.95 10623 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.86 4.95 10624 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.86 4.95 10625 AAD EEE 60.21 to WIF (4004KL MCSS, 50pc duly cycle) WLAN 6.96 4.95 10626 AAD E					DAD (JD)	Unc ^E $k=2$
1961 AND EEE 802 - Tale WIFF (20 MHz, MCSS, 90pc outry cycle)						
1961 ADD						
1901 AAD		↓				
19615 AAD CEEP 870; 1 tals WFF 20 MeHr, WCRS, 900 of ulty cycle) WLAN 8.94 4.9.6						
1961 ADD LEEF 800 11 tax WIFT (SON-MAY MCST, Solpe duty grole)						
16016 ADD LEEF BOD 11 to WEFF (GAMHA, MCSS, Sope duty grote) WIAN 8.92 1.9.6						
160517 AAD LEEF 802 11 to WIFF (ADME), MCSB, 1909c day grycle)					<u> </u>	_
1696 AD 1607 16						
1961 ADI IEEE 802 11ae WEF (40 MEX, MCS2 900c duly cycle)						
1985 AAD						
1982 AAD				<u> </u>	ļ. ——	
1982 AD						
1982 AAD						
196826 AAD					-	
10825 AAD	L					
1982 AAD						
16826 AAD						
10829 AAD						
10829 AAD						
10630 AAD EEE 802.11ac WFF (80 MHz, MCSS, 90pc duty cycle) WLAN 8.65 ±3.6						
10630 AAD IEEE 802.11ac WIFI (80MHz, MCS4, 90pc dufy cycle) WILAN 8.57 ±9.6						
10632 AAD						
10632 AAD IEEE 802.11ac WIFI (80MHz, MCS6, 90pc dufy cycle) WLAN 8.74 ±9.6						
10633 AAD	-					
10634 AAD IEEE 802.11ac WiFI (80 MHz, MCS9, 90pc duly cycle) WLAN 8.81 49.8						
10635 AAD						
10636 AAE						
10637 AAE						
10638 AAE						±9.6
10639 AAE						
10640 AAE						
10641 AAE						±9.6
10642						
10643 AAE					9.06	
10644 AAE			· · · · · · · · · · · · · · · · · · ·	WLAN	8.89	±9.6
10645 AAE				WLAN	9.05	
10646			· · · · · · · · · · · · · · · · · · ·	WLAN	9.11	±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 C.91 ±9.6 10653 AAF LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD T.42 ±9.6 10654 AAE LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD C.96 ±9.6 10655 AAF LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD T.21 ±9.6 10655 AAF LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD T.21 ±9.6 10656 AAB LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD T.21 ±9.6 10656 AAB Pulse Waveform (200Hz, 20%) Test 10.00 ±9.6 10659 AAB Pulse Waveform (200Hz, 40%) Test 3.98 ±9.6 10660 AAB Pulse Waveform (200Hz, 60%) Test 3.98 ±9.6 10660 AAB Pulse Waveform (200Hz, 60%) Test 2.22 ±9.6 10662 AAB Pulse Waveform (200Hz, 80%) Test 2.22 ±9.6 106670 AAA Bluelooth Low Energy Bluelooth Low Energy Bluelooth 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, MCS0, 90pc duty cycle) WLAN 8.77 ±9.6 10673 AAC IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) WLAN 8.74 ±9.6 10674 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.77 ±9.6 10675 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.77 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.77 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.80 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90p		AAH	1	LTE-TDD	11.96	±9.6
10652 AAF	10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10653 AAF LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ±9.6 10654 AAE LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.96 ±9.6 ±9.6 10655 AAF LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ±9.6 10658 AAB Pulse Waveform (200Hz, 10%) Test 10.00 ±9.6 10659 AAB Pulse Waveform (200Hz, 20%) Test 6.99 ±9.6 10660 AAB Pulse Waveform (200Hz, 60%) Test 3.98 ±9.6 10661 AAB Pulse Waveform (200Hz, 60%) Test 2.22 ±9.6 10662 AAB Pulse Waveform (200Hz, 60%) Test 2.22 ±9.6 10662 AAB Pulse Waveform (200Hz, 60%) Test 0.97 ±9.6 106670 AAA Bluelooth Low Energy Bluelooth	10648	AAA		CDMA2000	3.45	±9.6
10654 AAE LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.96 ±9.6 10655 AAF LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ±9.6 10658 AAB Pulse Waveform (200Hz, 10%) Test 10.00 ±9.6 10659 AAB Pulse Waveform (200Hz, 20%) Test 6.99 ±9.6 10660 AAB Pulse Waveform (200Hz, 60%) Test 3.98 ±9.6 10661 AAB Pulse Waveform (200Hz, 60%) Test 3.98 ±9.6 10662 AAB Pulse Waveform (200Hz, 60%) Test 2.22 ±9.6 10662 AAB Pulse Waveform (200Hz, 60%) Test 0.97 ±9.6 10670 AAA Bluetooth Low Energy Bluetooth 2.19 ±9.6 10671 AAA EEE 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 10673 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10675 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10681 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10681 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.80 ±9.6 10682 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.26 ±9.6 10685	10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10654 AAE LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.96 ±9.6 10655 AAF LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ±9.6 10658 AAB Pulse Waveform (200Hz, 10%) Test 10.00 ±9.6 10659 AAB Pulse Waveform (200Hz, 20%) Test 6.99 ±9.6 10660 AAB Pulse Waveform (200Hz, 60%) Test 3.98 ±9.6 10661 AAB Pulse Waveform (200Hz, 60%) Test 3.98 ±9.6 10662 AAB Pulse Waveform (200Hz, 60%) Test 0.97 ±9.6 10667 AAA Bluetooth Low Energy Bluetooth 2.19 ±9.6 10671 AAA Bluetooth Low Energy Bluetooth 2.19 ±9.6 10672 AAC IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) WLAN 9.09 ±9.6 10673 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 10675 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10678 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.80 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.26 ±9.6 10680	10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10655 AAF LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.21 ±9.6 10658 AAB Pulse Waveform (200Hz, 10%) Test 10.00 ±9.6 10659 AAB Pulse Waveform (200Hz, 20%) Test 6.99 ±9.6 10660 AAB Pulse Waveform (200Hz, 40%) Test 3.98 ±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, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) WLAN 8.74 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) WLAN 8.79 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) WLAN 8.77 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) WLAN 8.77 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) WLAN 8.78 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) WLAN 8.78 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 8.89 ±9.6 10681 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 8.89 ±9.6 10682 AAC IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) WLAN 8.82 ±9.6 10683 AAC IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) WLAN 8.42 ±9.6 10684 AAC IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) WLAN 8.42 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) WLAN 8.42 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) WLAN 8.		AAE		LTE-TDD	6.96	±9.6
10659 AAB	10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)		7.21	±9.6
10659 AAB				Test	10.00	±9.6
10660 AAB Pulse Waveform (200Hz, 40%) Test 3.98		AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±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, MCS7, 90pc duty cycle) WLAN 8.73 ±9.6 10678 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.78 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.89	10660	AAB		Test	3.98	±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, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10676 AAC IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) WLAN 8.77 ±9.6 10677 AAC IEEE 802.11ax (20 MHz, MCS5, 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 AAC IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) WLAN 8.78 ±9.6 10680 AAC 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 8.80 ±9.6 10681 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 8.80 ±9.6 10682 AAC IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) WLAN 8.82 ±9.6 10683 AAC IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) WLAN 8.83 ±9.6 10684 AAC IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) WLAN 8.42 ±9.6 10684 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) WLAN 8.33 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) WLAN 8.	10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±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 8.79 ±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 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 8.80 ±9.6 10681 AAC IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) WLAN 8.83 ±9.6 10683 AAC	10662	AAB		Test	0.97	
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 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 8.80 ±9.6 10681 AAC IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) WLAN 8.83 ±9.6 10683 AAC IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC		AAA			2.19	±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 AAC 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 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 10684 AAC IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC		AAC			9.09	
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 AAC 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 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, 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		AAC		WLAN	8.57	±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 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 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, MCS1, 99pc duty cycle) WLAN 8.26 ±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	10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)		8.78	±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 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 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, MCS1, 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		AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±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 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 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, MCS1, 99pc duty cycle) WLAN 8.42 ±9.6 10684 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.33 ±9.6				ــــــــــــــــــــــــــــــــــــــ	8.90	±9.6
10678 AAC IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) WLAN 8.78 ±9.6 10679 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 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, MCS1, 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					8.77	
10679 AAC IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) WLAN 8.89 ±9.6 10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 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		AAC			8.73	
10680 AAC IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) WLAN 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					·	
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						
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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						
	10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	<u> WLAN</u>	8.28	±9.6

1966 ACC ESER 2012 TIX (20MATE, MCS.9 sppe dity cycle)	UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
1668 AC EEE 802 T142 (20MHz, MOSS, 80pp culty cycle)						
10689 ACC IEEE 802-1114 (20MHz, MCSS, 8900-cduly cycle) W.A.M 8.250 1.9.6				WLAN	8.29	±9.6
10690 AC REE 80.11xx (20MHz, MCSF, 8990 city yold)				WLAN	8.55	±9.6
1968 ACC LEES BID Tax 200 MHY, MCSS, Sign only cycle)		AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
AAC REER BOD 11 bz (2004 Hz. MCSD1. 98)pc duty cycle)	10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)			
1,006 AAC EEE 80.21 11x 20 MHH. MCS1. 90 pc duty cycle) WAAN 8,75 49,6 19,6 19,6 10,6	10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)			
ACC REER BOOL TIEV CARDINAL MICH. SO Spot Cuty Opens WILAM 8.97 4.9.6	10693	AAC				
1985 ACC LEEF BIOL 1 Tax ADM HAT, MCST, 30pc duty cycle) WILAN 8.91 19.0	10694					
1988 AAC						
1,000 AAC						
10969 ACC						
1970 AAC IEEE 802 1124 (GMHz, MCSS, 90pc duty cycle)						
10707	-					
10702 AAC						
10703 AAC						
10703 AAC						
10705 AAC						
10706 AAC		_			 	
107070 AAC EEE B02.11ax (40 MHz, MCS0, 990c duty cycle) WLAN 8.32 \$3.9.						
10708 AAC				<u> </u>	·	
10709 AAC						
10710 AAC					8.33	±9.6
10711 AAC IEEE 802.11ax (40 MHz, MCS4, 99pc duly cycle) WLAN 8.87 ±9.8				WLAN	8.29	±9.6
10712 AAC IEEE 802.11ax (40 MHz, MCSS, 99pc duty cycle) WLAN 8.33 ±9.8			IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10774 AAC IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle) WLAN 8.45 49.6 4	_			WLAN	-	
10715 AAC IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle) WLAN 8.45 ±9.6	10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	
10776 AAC IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle) WLAN 8.30 ±9.6	10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)			
10771 AAC IEEE 802.11ax (40 MHz, MCS10, 99pc duly cycle) WLAN 8.48 ±9.6		AAC				
10718	10716	AAC				
10719 AAC		AAC				
10720 AAC						
10721 AAC						
10722 AAC			<u> </u>			
10723 AAC						
10724						
10725 AAC	_					
10726 AAC						
10727 AAC			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
10728			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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 8.46 ±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, MCS3, 99pc duty cycle) WLAN 8.27 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle) WLAN 8.27 ±9.6 10737 AAC IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle) WLAN 8.27 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.36 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.43 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.43 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.91 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.16 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.11 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.904 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MC						L ———
10730 AAC IEEE 802.11ax (80 MHz, MCS1, 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, MCS3, 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, MCS3, 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, MCS5, 99pc duty cycle) WLAN 8.36 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle) WLAN 8.36 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.42 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.43 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.94 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.16 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.16 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.94 ±9.6 10749 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 8.93 ±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, MCS6, 90pc duty cycle) WLAN 8.90 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS6					8.64	±9.6
10731 AAC IEEE 802.11ax (80 MHz, MCS1, 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, MCS3, 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, MCS5, 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, MCS7, 99pc duty cycle) WLAN 8.42 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10743 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.43 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.93 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) WLAN 8.93 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) WLAN 8.90 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) WLAN 8.92				WLAN	8.67	±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 ±9.8 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.43 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	10731	AAC	· · · · · · · · · · · · · · · · · · ·	WLAN	8.42	±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, MCS5, 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, MCS7, 99pc duty cycle) WLAN 8.29 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.94 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.94 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.93 ±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, MCS3, 90pc duty cycle) WLAN 9.04 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.92 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, M	10732	· —	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)		8.46	
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10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) 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, 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 10750 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) WLAN 8.79 ±9.6 10751 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) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) 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, 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						
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, 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						
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						
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			, , , , , , , , , , , , , , , , , , ,			
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					!	
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	-		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
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						
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			<u> </u>	WLAN	8.93	±9.6
10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duly cycle) WLAN 8.82 ±9.6		AAC				
10701 1010 1111111111111111111111111111	10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)		8.79	±9.6
10752 AAC IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6					+	
	10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81_	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=\bar{2}$
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	<u>+</u> 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	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6 ±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02 8.31	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.30	±9.6
10776	AAE	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 (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10778	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.42	±9.6
107/9	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	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	AAE	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	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.37	±9.6
10809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34 8.34	±9.6
10810	AAF AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.35	±9.6
10812	AAF	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	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	AAE	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	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6
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100	Bay	Communication System Name	Group	PAR (dB)	Unc ^E $K=2$
UID 10829	Rev	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10829	AAE	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	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	6.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAF	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 6.52	±9.6 ±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.61	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10874 10875	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
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, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120kHz)	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	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±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, 1 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	6.53	±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	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAC	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	AAC	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	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.93 5.96	±9.6 ±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10910	AAC	של אוז (ער ויסיטרטואו _ו טעא חט, צע אוחצ, ער סת, טע אחצ)	טעו וחוחוויים ן	J.00	19.0

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	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.84	±9.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	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, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84 5.94	±9.6 ±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.52	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	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 (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15kHz)	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	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	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	AAD	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAD	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	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.92	±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 5G NR FR1 FDD	8.42 8.14	±9.6
10956 10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10959	AAE	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ÜLLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
10980	AAA	ULLA HDR8	ULLA	10.32	±9.6
10981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	6.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11 025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

 $^{^{\}sf E}$ 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







Schweizerischer Kallbrierdienst
Service sulsse d'étalonnage
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Swiss Callbration 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.

EX-7682 May24

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7682

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

5/22/2024

Calibration date

May 13, 2024

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 \pm 3) $^{\circ}$ 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	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660_Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349 Nov23)	Nov-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

Callbrated by

Aidonia Georgiadou

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

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Issued: May 13, 2024

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

Certificate No: EX-7682_May24

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Service sulsse d'étalonnage
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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 NORMx,y,z tissue simulating liquid sensitivity in free space

ConvF

sensitivity in TSL / NORMx,y,z diode compression point

DCP CF

crest factor (1/duty_cycle) of the RF signal

A, B, C, D

modulation dependent linearization parameters

Polarization φ

 φ rotation around probe axis

Polarization $\hat{\theta}$

 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

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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 (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 ConvF.
- 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 callbrated 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 ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 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 ±50 MHz to ±100 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).

Parameters of Probe: EX3DV4 - SN:7682

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (μV/(V/m) ²) A	0.68	0.66	0.62	±10.1%
DCP (mV) B	102.8	104.3	104.1	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
	, , ,		dB	dB√μV		dB	m۷	dev.	Unc ^E
									k=2
0	cw	Х	0.00	0.00	1.00	0.00	122.6	±1.1%	±4.7%
		Y	0.00	0.00	1.00	ĺ	137.9		
		Z	0.00	0.00	1.00		149.4		
10352	Pulse Waveform (200Hz, 10%)	X	1.70	61.49	7.01	10.00	60.0	±2.7%	±9.6%
	, , , , , , , , , , , , , , , , , , ,	Y	1.60	61.02	6.52		60.0		
		Z	2.00	62.00	7.00		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	0.80	60.00	5.16	6.99	80.0	±2.5%	±9.6%
	, , , , , ,	Y	22.00	74.00	9.00		80.0		
		Z	46.00	80.00	11.00		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	8.00	70.00	7.00	3.98	95.0	±2.6%	±9.6%
		Y	0.02	123.01	0.32]	95.0		
		Z	0.10	130.09	0.55		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	11.28	156.52	11.55	2.22	120.0	±1.6%	±9.6%
		Y	8.75	159.53	3.16		120.0		
		Z	10.13	156.32	25.35		120.0		
10387	QPSK Waveform, 1 MHz	X	0.86	66.16	13.70	1.00	150.0	±4.1%	±9.6%
		Y	0.60	62.45	11.46		150.0]	
		Z	0.61	62.23	11.26		150.0		
10388	QPSK Waveform, 10 MHz	X	1.56	66.26	14.54	0.00	150.0	±1.4%	±9.6%
		Y	1.32	64.35	13.30		150.0		
		Z	1.33	64.17	13.13		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.75	64.71	16.04	3.01	150.0	±1.2%	±9.6%
		Y	1.60	63.41	15.34]	150.0		
		Z	1.58	63.05	15.07		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.01	66.39	15.23	0.00	150.0	±1.7%	±9.6%
		Y	2.80	65.46	14.64	J	150.0	}	
		Z	2.82	65.44	14.59		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.09	65.87	15.36	0.00	150.0	±3.3%	±9.6%
		Υ	4.03	65.97	15.30]	150.0]	
		Z	4.07	66.03	15.30		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 Page 5).

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.

Parameters of Probe: EX3DV4 - SN:7682

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
X	13.4	96.51	33.26	2.61	0.00	4.90	0.48	0.00	1.00
V	12.2	88.51	33.48	3.46	0.00	4.90	0.33	0.00	1.00
Z	12.2	88.62	33.44	2.04	0.00	4.90	0.25	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	56.3°
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:7682

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)
750	41.9	0.89	9.94	9.61	10.53	0.40	1.27	±11.0%
835	41.5	0.90	9.76	9.52	10.09	0.40	1.27	±11.0%
1750	40.1	1.37	8.36	8.20	8.70	0.26	1.27	±11.0%
1900	40.0	1.40	8.19	8.06	8.54	0.29	1.27	±11.0%
2300	39.5	1.67	8.00	7.85	8.33	0.30	1.27	±11.0%
2450	39.2	1.80	7.87	7.72	8.18	0.30	1.27	±11.0%
2600	39.0	1.96	7.72	7.57	8.04	0.29	1.27	±11.0%

^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.

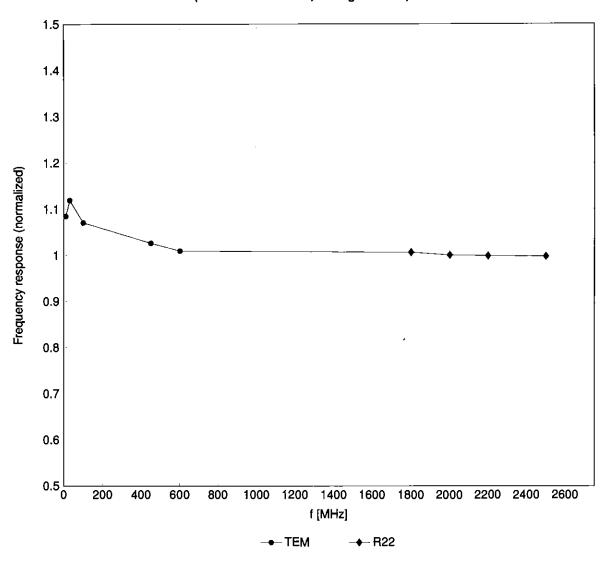
Figure 1. The probes are calibrated using tissue simulating liquids (TSL) that decides for a 2nd = bullet the convF.

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 SAR correction is applied.

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.

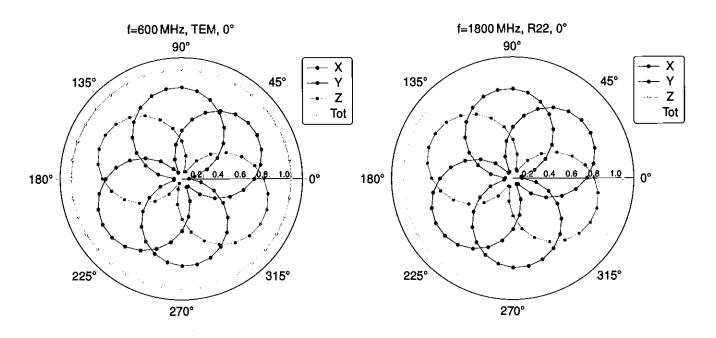
Frequency Response of E-Field

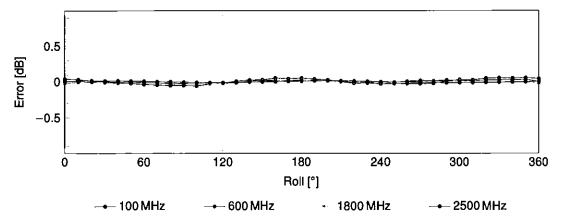
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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

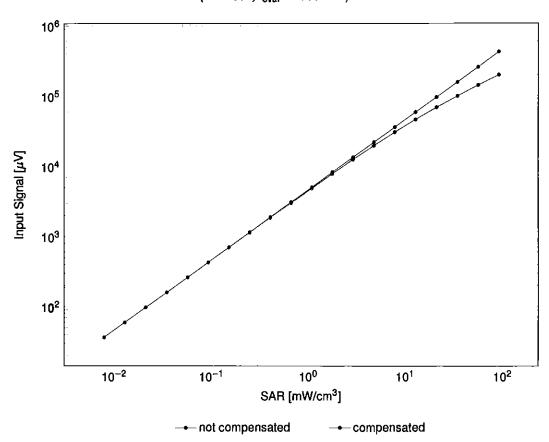


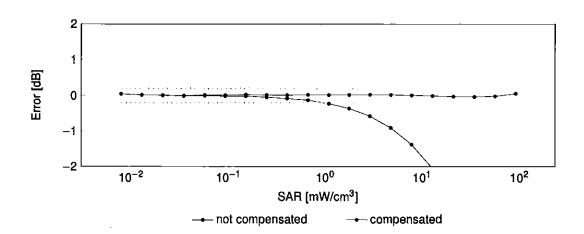


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

Dynamic Range f(SAR_{head})

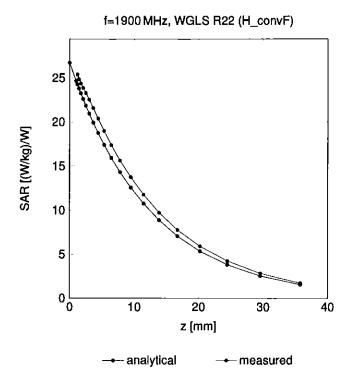
(TEM cell, $f_{\text{eval}} = 1900\,\text{MHz})$





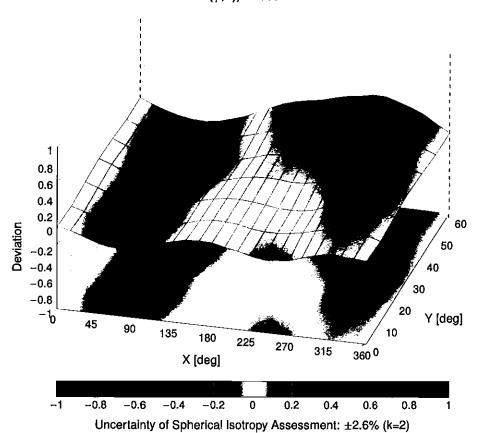
Uncertainty of Linearity Assessment: ±0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ) , f = 900 MHz



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
0.5	1101	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
10012	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10013	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
10020	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10027	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
10020	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluelooth	3.83	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluelooth	4.10	±9.6
10038	CAA	CDMA2000 (1xRTT, RC1)	CDMA2000	4.10	±9.6
10039		IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
	CAB		AMPS.	0.00	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM) DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10048		DECT (TDD, TDMA/FDM, GFSK, Poli Siot, 24)	DECT	10.79	±9.6
10049	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC		GSM	6.52	±9.6
10058		EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) IEEE 802.11b WiFl 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10060		1 1 1	WLAN	3.60	±9.6
	CAB	IEEE 802.11b WiFl 2.4 GHz (DSSS, 11 Mbps)	WLAN	8.68	±9.6
10062 10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10063	CAE	IEEE 802.11a/h WiFI 5 GHz (OFDM, 9 Mops)	WLAN	9.09	±9.6
10064	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Miops)	WLAN	9.38	±9.6
10067	CAE	IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mops)	WLAN	10.12	±9.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	±9.6
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 46 Mbps)	WLAN	10.56	±9.6
10003	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 16 Mbps)	WLAN	10.30	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10075	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
10077	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, Subject 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	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	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10102	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TOD	9.29	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6
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10113 CAM LTE-PDD (SC-PDMA, 100% RB, 10MHz, 64-OAM) LTE-PDD 6.59 49.6	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10113 CAM LTE-FDD GS-FDMA, 10098, RB, SMHz, 64-CAM) LTE-FDD 6.82 49.6					<u> </u>	
1911 CAE				LTE-FDD	6.62	±9.6
10116 CAR	$\overline{}$			WLAN	8.10	±9.6
10116 CAE				WLAN	8.46	±9.6
10118 CAE	-	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10119 CAE	10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10140 CAF	10118	CAE		WLAN	8.59	±9.6
10141 CAF ITE-FDD (SC-FDMA, 100% RB, 15MHz, 64-CAM)	10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10142 CAF	10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	
10140 CAF LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-GAM)	10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	l	
Title CAF	10142	CAF		LTE-FDD		
10146 CAG ITE-FDD (SC-FDMA, 109% RB, 1.4 MHz, QPSK)	10143	CAF				
CAG ITE-FDD (SC-FDMA, 109% RB, 1.4 MHz, 16-CAM)	10144	CAF				
10147 CAG LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 20MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 10MHz, 0PSK) LTE-FDD (SC-FDMA, 50% RB, 5MHz, 10-QAM) LTE-FDD (SC-FDMA, 50% RB, 10MHz, 10-QAM) LTE-FDD (SC-FDMA, 50% RB, 15MHz, 10-QAM) LTE-FDD (SC-FDMA, 10-QAM) LTE-FDD (SC-FDMA, 10-QAM) LTE-FDD (SC-FDMA, 10-QAM) LTE-FDD (SC-FDMA, 10-QA		CAG				
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10150 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 9.28 49.6 10151 CAH LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 9.28 49.6 10152 CAH LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 9.28 49.6 10153 CAH LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-TDD 10.05 49.6 10156 CAH LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-FDD 10.05 49.6 10156 CAH LTE-FDD (SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-FDD 5.75 49.6 10156 CAH LTE-FDD (SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 5.79 49.6 10156 CAH LTE-FDD (SC-FDMA, 50% RB, 50 MHz, GPSK) LTE-FDD 5.79 49.6 10157 CAH LTE-FDD (SC-FDMA, 50% RB, 50 MHz, GPSK) LTE-FDD 5.79 49.6 10157 CAH LTE-FDD (SC-FDMA, 50% RB, 50 MHz, GPSK) LTE-FDD 6.49 49.6 10158 CAH LTE-FDD (SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 6.62 49.6 10158 CAH LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.62 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.56 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK) LTE-FDD 6.60 49.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK) LTE-FDD 6.79 49.6 10160 CAF LTE-FDD (SC-FDMA, 16%, 26 CAM) LTE-FDD 6.79 49.6 10160 CAF LTE-FDD (SC-FDMA, 16%, 26 CAM) LTE-FDD 6.79 49.6 10160 CAF LTE-FDD (SC-FDMA, 16%, 26 CAM) LTE-FDD 6.50 49.6 10160 CAF LTE-FDD (SC-FDMA, 16%, 26 CAM) LTE-FDD 6.50 49.					↓ —	
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10157 CAH LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM) LTE-FDD 6.49 ±9.6 10158 CAH LTE-FDD (SC-FDMA, 50% RB, 10MHz, 64-QAM) LTE-FDD 6.62 ±9.6 10159 CAH LTE-FDD (SC-FDMA, 50% RB, 10MHz, 64-QAM) LTE-FDD 6.56 ±9.6 10160 CAF LTE-FDD (SC-FDMA, 50% RB, 15MHz, GPSK) LTE-FDD 5.82 ±9.6 10161 CAF LTE-FDD (SC-FDMA, 50% RB, 15MHz, GPSK) LTE-FDD 6.43 ±9.6 10162 CAF LTE-FDD (SC-FDMA, 50% RB, 15MHz, GPSK) LTE-FDD 6.43 ±9.6 10162 CAF LTE-FDD (SC-FDMA, 50% RB, 15MHz, GPSK) LTE-FDD 6.58 ±9.6 10166 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, GPSK) LTE-FDD 5.46 ±9.6 10166 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, GPSK) LTE-FDD 5.46 ±9.6 10168 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, GPSK) LTE-FDD 6.79 ±9.6 10169 CAF LTE-FDD (SC-FDMA, 10% RB, 1.4MHz, GPSK) LTE-FDD 6.79 ±9.6 10169 CAF LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 5.73 ±9.6 10170 CAF LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 5.73 ±9.6 10171 CAF LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 6.52 ±9.6 10172 CAH LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 6.52 ±9.6 10172 CAH LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 9.21 ±9.6 10173 CAH LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 9.21 ±9.6 10173 CAH LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 9.21 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 5.72 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 5.72 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 20MHz, GPSK) LTE-FDD 5.72 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10MHz, GPSK) LTE-FDD 6.52 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10MHz, GPSK) LTE-FDD 6.52 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10MHz, GPSK) LTE-FDD 6.52 ±9.6 10179 CAH LTE-FDD (SC-FDMA, 1 RB, 10MHz, GPSK) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 10MHz, GPSK) LTE-FDD 6.50 ±9.6 10180 CAH						
10158 CAH						
TOTSS CAH LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM) LTE-FDD 5.82 ±9.6						
10160 CAF						
10161 CAF						
10162 CAF LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM) LTE-FDD 5.58 ±9.6				<u> </u>		
10166 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	$\overline{}$					
10167 CAG					, 	
10168 CAG						
10169 CAF				LTE-FDD	6.79	±9.6
10171 AAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.49 ±9.6				LTE-FDD	5.73	±9.6
10172 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-TDD 9.21 ±9.6	10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM) LTE-TDD	10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10174 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 10.25 ±9.6	10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±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, 64-QAM) LTE-FDD 5.72 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.52 ±9.6 10183 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 <	10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±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, GPSK) 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, 3 MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 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, 16-QAM		CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD		
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, 3 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QA		CAH	· · · · · · · · · · · · · · · · · · ·		_	
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, 0PSK) 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 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 5.73 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,				<u> </u>		
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, 0PSK) 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, 3 MHz, 0PSK) LTE-FDD 5.73 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 5.73 ±9.6 10187 CAG 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 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39						
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, 3 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 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 5.73 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK) 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 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mb						
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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 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6						
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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 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6						
10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6						
10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6						
10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6						
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10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6						
10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6						
10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6				WLAN		±9.6
10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6				WLAN	8.03	±9.6
10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6	10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6	10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6	10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)		8.06	
10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6		CAE		<u> </u>	8.48	
10224 CAE IEEE 802,11n (HT Mixed, 150 Mbps, 64-QAM) WLAN 8.08 ±9.6	10224	CAE	IEEE 802,11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 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
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±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, 15MHz, 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	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9,46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	ÇAE	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	9.30	±9.6
10247	ÇAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	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 10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.34	±9.6 ±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TOD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TOD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TOD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TOD	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-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TOD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±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 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)	PH\$	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, 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, 3MHz, 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	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.57 12.52	±9.6 ±9.6
10303	AAA	IEEE 802.166 WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10304	AAA	IEEE 802.16e WIMAX (25.16, 511s, 10 MHz, 64QAM, PUSC)	WiMAX	15.24	±9.6
10306	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	±9.6
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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	±9.6
10308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±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, 15 MHz, 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	AAE	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 QPSK Waveform, 10 MHz	Generic Generic	5.10 5.22	±9.6
10396	AAA	64-QAM Waveform, 10 kHz	Generic	6.27	±9.6
10396	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10400	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10401	AAF	IEEE 802.11ac WiFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10402	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 WiFl 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFl 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	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	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 (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD LTE-FDD	8.38 8.34	±9.6 ±9.6
10432	AAD	LTE-FDD (OFDMA, 13 MHz, E-1M 3.1)	LTE-FDD	8.34	±9.6
10433	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	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	AAD	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, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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-TOD	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	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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 (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD LTE-TOD	8.56 7.82	±9.6 ±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
104/1	AAG	ELETED (OUT DMM, I TO, IVMIR, IUTAMM, OL SUDIIGIIIE=2,5,4,7,0,5)	FILTIOD	0.32	15.0

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
10472	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-TOD	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
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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-TOD	8.60 7.70	±9.6 ±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSN, DL Subframe=2,3,4,7,6,9)	LTE-TDD	8.41	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10493	AAG	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 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	±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 8.36	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10509	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
10510	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
10511	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, 20 MHz, 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, 2Mbps, 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	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFl 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFI 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523 10524	AAD	IEEE 802.11a/n WIFI 5 GHz (OFDM, 48 Mops, 99pc duty cycle)	WLAN	8.08 8.27	±9.6
10524	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mops, 99pc duty cycle)	WLAN	8.36	±9.6
10525	AAD	IEEE 802.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFI (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFI (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

1,0567 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.65 4.95 1,0568 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.65 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.65 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.65 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.65 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAD EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAC EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAC EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (40 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer., MCSS, 1990 eday cycle) WLAN 8.67 4.95 1,0569 AAE EEE 600 21 tas WiFF (16 Mer	alu	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
19542 AD BEER 802 1106 WFF (60MHz, MCSS, 98pc day cycle)				<u> </u>		
19958 ADD EEEE 802 11 Tale WIFF (160 MHz, MCSG), 98pc duty cycle) WLAN 8.47 18.6						
19645 ADD ERE 802 (1166 WFF (60MHz, MCS), 98pc day cycle)					8.65	
19646 ADD IEEE 60211ac WIFE (60MHz, MCSS, 98pc daty cycle) WLAN 8.35 19.8				WLAN	8.47	±9.6
165467 AAD IEEE 802/11ab WHI (80MHz, MCSS, 89pc duty cycle) WLAN 8.49 49.5		AAD		WLAN	8.55	±9.6
10569 ADD IEEE 802 11ae WFF (80 MHz, MCSS, 89pc duty cycle) WLAN 8.37	10546	AAD		WLAN	8.35	±9.6
1965 AD IEEE 802 11a WIF (BOMEL, MCSS, 8) gibt day cycle)	10547	AAD		WLAN	8.49	±9.6
10562 AAD	10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10552 AAD IEEE 802 11ae Wiff (80 MEX. MCSS, 98pc duty cycle) WILAN 8.42 ±9.6 10553 AAD IEEE 802 11ae Wiff (80 MEX. MCSS, 98pc duty cycle) WILAN 8.48 ±9.8 10555 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.48 ±9.8 10555 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.48 ±9.8 10555 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.47 ±9.8 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.50 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.51 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.51 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.51 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.51 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.51 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.51 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.55 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.57 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.57 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.77 ±9.6 10557 AAE IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.75 ±9.6 10557 AAA IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.77 ±9.6 10557 AAA IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.75 ±9.6 10557 AAA IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.75 ±9.6 10557 AAA IEEE 802 11ae Wiff (160 MEX. MCS, 98pc duty cycle) WILAN 8.76 ±9.6 10557 AAA IEEE 802 11ae Wiff AAE WILAN 8.76 ±9.6 10557 AAA IEEE 802 11ae Wiff AAE WILAN 8.76 ±9.6 10557 AAA IEEE 802 11ae Wiff AAE WILAN 8.76 ±9.6 10557 AAA IEEE 802 11ae Wiff AAE WIL	10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10855 AAC IEEE 802 11a WIF 100 MHz, MCS9, 99p cduty cycle)	10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
1955 AAE IEEE 802 11 to WIFF (190 MHz. MCS), 89pc duty cycle)	10552	AAD	IEEE 802.11ac WiFl (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10555 AAE IEEE 802.11 ta Wiff (160 MHz. MCS), 90pc duty cycle)	10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10557 AAE IEEE 802.11ac WIFT (160 MHz, MCSS, 190p cduy cycle) WIAN 8.52 4.6	10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555 AAE IEEE 802.11 to WIFT (160 MHz, MCS3, 990 rolly cycle) WILAN		AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)		+	
10556 AAE IEEE 802.11ac WIF (160 MHz, MSS, 1990 duly cycle) WLAN 8.73 19.5		⊢ —				
10580 AAE IEEE 802.11 to WIFT (160 MHz, MCSR, 990p duly cycle) WILAN 8.58 ±3.6						
10582 AAE EEE 802.11a WFF (190MHz, MCSS, 99pc duty cycle) WLAN 8.56 ±3.8				 . 		
10582 AAE EEE 802.11a WFI (190 MHz, MCS8, 99pc duly cycle) WLAN 8.69 4.98		_				
10583 AAE EEE 802.11a WFF (190 MHz, MCS9, 99pc duly cycle) WLAN 8.77 ±3.8 ±3.6 10585 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 24 Mbps, 99pc duly cycle) WLAN 8.45 ±3.6 10585 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 24 Mbps, 99pc duly cycle) WLAN 8.45 ±3.8 10586 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 24 Mbps, 99pc duly cycle) WLAN 8.13 ±3.8 10586 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 24 Mbps, 99pc duly cycle) WLAN 8.00 ±3.6 10586 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 24 Mbps, 99pc duly cycle) WLAN 8.00 ±3.6 10586 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 24 Mbps, 99pc duly cycle) WLAN 8.37 ±3.6 10570 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 24 Mbps, 99pc duly cycle) WLAN 8.10 ±3.8 10570 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 34 Mbps, 99pc duly cycle) WLAN 8.30 ±3.6 10570 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 34 Mbps, 99pc duly cycle) WLAN 8.30 ±3.6 10571 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 34 Mbps, 99pc duly cycle) WLAN 1.99 ±3.9 10572 AAA EEE 802.11g WFF 2.4 GHz (205S OFDM, 34 Mbps, 99pc duly cycle) WLAN 1.99 ±3.9 10573 AAA EEE 802.11g WFF 2.4 GHz (205S, 24 Mbps, 99pc duly cycle) WLAN 1.99 ±3.9 10573 AAA EEE 802.11g WFF 2.4 GHz (205S, 24 Mbps, 99pc duly cycle) WLAN 1.98 ±3.6 10573 AAA EEE 802.11g WFF 2.4 GHz (205SS, 27 Mbps, 99pc duly cycle) WLAN 1.98 ±3.6 10573 AAA EEE 802.11g WFF 2.4 GHz (205SS, 27 Mbps, 99pc duly cycle) WLAN 1.98 ±3.6 10573 AAA EEE 802.11g WFF 2.4 GHz (205SS, 27 Mbps, 99pc duly cycle) WLAN 1.98 ±3.6 10573 AAA EEE 802.11g WFF 2.4 GHz (205SS, 27 Mbps, 99pc duly cycle) WLAN 8.50 ±3.6 10573 AAA EEE 802.11g WFF 2.4 GHz (205SS, 27 Mbps, 99pc duly cycle) WLAN 8.50 ±3.6 10573 AAA EEE 802.11g WFF 2.4 GHz (205SS, 27 Mbps, 99pc duly cycle) WLAN 8.50 ±3.6 10573 AAA EEE 802.11g WFF 2.4 GHz (205SS, 27 Mbps, 99pc duly cycle) WLAN 8.60 ±3.6 10573 AAA						
10585 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.45 ±9.6 10585 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.13 ±9.8 10587 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.13 ±9.8 10587 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.00 ±9.5 10586 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.37 ±9.5 10586 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.30 ±9.6 10570 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.30 ±9.6 10571 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.30 ±9.6 10573 AAA IEEE 802.11b WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 1.99 ±9.6 10573 AAA IEEE 802.11b WFI 2.4 GHz (DSSS, 14 Mbps, 99pc duty cycle) WLAN 1.99 ±9.6 10573 AAA IEEE 802.11b WFI 2.4 GHz (DSSS, 14 Mbps, 90pc duty cycle) WLAN 1.99 ±9.6 10573 AAA IEEE 802.11b WFI 2.4 GHz (DSSS, 15 Mbps, 90pc duty cycle) WLAN 1.98 ±9.8 10573 AAA IEEE 802.11b WFI 2.4 GHz (DSSS, 15 Mbps, 90pc duty cycle) WLAN 1.98 ±9.8 10574 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 8 Mbps, 90pc duty cycle) WLAN 8.55 ±9.6 10576 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 8 Mbps, 90pc duty cycle) WLAN 8.55 ±9.6 10576 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 8 Mbps, 90pc duty cycle) WLAN 8.60 ±9.8 10576 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.40 ±9.8 10580 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.40 ±9.8 10580 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.40 ±9.8 10580 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.40 ±9.8 10580 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 50pc duty cycle)	$\overline{}$					
10565 AAA						
10568 AAA						
10567 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.37 ±9.6 10568 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.37 ±9.6 10569 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.30 ±9.6 10570 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 1.99 ±9.6 10571 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) WLAN 1.99 ±9.6 10572 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-S, 1Mbps, 90pc duty cycle) WLAN 1.99 ±9.6 10572 AAA IEEE 802.11b WHF 2.4 GHz (DSSS-S, 1Mbps, 90pc duty cycle) WLAN 1.98 ±9.6 10574 AAA IEEE 802.11b WHF 2.4 GHz (DSSS-S, 1Mbps, 90pc duty cycle) WLAN 1.98 ±9.6 10574 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-S, 1DMs, 90pc duty cycle) WLAN 1.98 ±9.6 10574 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 6Mbps, 90pc duty cycle) WLAN 1.98 ±9.6 10575 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 6Mbps, 90pc duty cycle) WLAN 8.60 ±9.6 10576 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 1Mbps, 90pc duty cycle) WLAN 8.60 ±9.6 10577 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 1Mbps, 90pc duty cycle) WLAN 8.70 ±9.6 10578 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.70 ±9.6 10578 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10580 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10580 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.37 ±9.6 10580 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.37 ±9.6 10580 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.37 ±9.6 10580 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 56 Wbps, 90pc duty cycle) WLAN 8.67 ±9.6 10588 AAA IEEE 802.11g WHF 2.4 GHz (DSSS-OFDM, 56 Wbps, 90pc duty cyc				_	4-	
10568 AAA						
10569 AAA						
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10571 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 49.8 10572 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS, 5.5 Mbps, 80pc duty cycle) WLAN 1.99 49.8 10574 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS, 5.5 Mbps, 80pc duty cycle) WLAN 1.98 49.8 10574 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 49.8 10576 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle) WLAN 1.98 49.8 10576 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 8 Mbps, 90pc duty cycle) WLAN 8.59 49.8 10577 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 49.8 10577 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 49.8 10579 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 49.8 10579 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 49.6 10580 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.76 49.6 10581 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 8 Mbps, 90pc duty cycle) WLAN 8.76 49.6 10582 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.76 49.6 10582 AAA IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.76 49.6 10583 AAO IEEE 602.11 WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.76 49.6 10583 AAO IEEE 602.11 WIFI S.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 49.6 10583 AAO IEEE 602.11 WIFI S.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 49.6 10583 AAO IEEE 602.11 WIFI S.6 GHz (OFDM, 44 Mbps, 90pc duty cycle) WLAN 8.60 49.6 10583 AAO IEEE 602.11 WIFI S.6 GHz (OFDM, 44 Mbps, 90pc duty cycle) WLAN 8.70 49.6 10583 AAO IEEE 602.11 WIFI S.6 GHz (OFDM, 44 Mbps, 90pc duty cycle) WLAN 8.70 49.6 10588 AAO IEEE 602.11 WIFI S.6 GHz (OFDM, 45 Mbps, 90pc duty cycle) WLAN				<u> </u>		
10572						
10573 AAA				<u> </u>		
10574 AAA				l '		
10576						
10576				<u> </u>	8.59	
10576	10576	AAA		WLAN	8.60	±9.6
10579	10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±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 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10583 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.69 ±9.6 10584 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ±9.6 10585 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.70 ±9.6 10585 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.70 ±9.6 10586 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10587 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10588 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10599 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10590 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10591 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10592 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.63 ±9.6 10593 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6 10594 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.74 ±9.6 10595 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) WLAN 8.74 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) WLAN 8.74 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) WLAN 8.79 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle) WLAN 8.79 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 40 MHz	10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duly cycle) WLAN 8.35 ±9.6 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.67 ±9.6 10583 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duly cycle) WLAN 8.60 ±9.6 10584 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duly cycle) WLAN 8.60 ±9.6 10585 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duly cycle) WLAN 8.70 ±9.6 10586 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duly cycle) WLAN 8.49 ±9.6 10586 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duly cycle) WLAN 8.36 ±9.6 10587 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duly cycle) WLAN 8.76 ±9.6 10588 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duly cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duly cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duly cycle) WLAN 8.67 ±9.6 10589 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.67 ±9.6 10591 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.67 ±9.6 10592 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.63 ±9.6 10593 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.67 ±9.6 10593 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.67 ±9.6 10593 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.64 ±9.6 10594 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.64 ±9.6 10595 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.74 ±9.6 10596 AAD IEEE 802.11g/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.75 ±9.6 10596 AAD IEEE 802.11g/h WiFi 6 GHz (OFDM, 54 Mbps, 90pc duly cycle) WLAN 8.79 ±9.6 10600 AAD IEEE 8	10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10582	10580	AAA	IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10583 AAD	10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10584 AAD	10582	AAA		WLAN	8.67	±9.6
10585 AAD			, , , , , ,			
10586 AAD						
10587 AAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10588 AAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ±9.6 10590 AAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10591 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.63 ±9.6 10592 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) WLAN 8.63 ±9.6 10593 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) WLAN 8.64 ±9.6 10593 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) WLAN 8.74 ±9.6 10595 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10596 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.71 ±9.6 10597 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.71 ±9.6 10598 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.72 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.72 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle) WLAN 8.79 ±9.6 10600 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) WLAN 8.88 ±9.6 10601 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) WLAN 8.88 ±9.6 10601 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10603 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10604 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) WLAN 8.64 ±9.6 10606				 - 	+	
10588 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ±9.6 10590 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10591 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.63 ±9.6 10592 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) WLAN 8.64 ±9.6 10593 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) WLAN 8.74 ±9.6 10594 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10595 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10596 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) WLAN 8.71 ±9.6 10597 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) WLAN 8.71 ±9.6 10597 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle) WLAN 8.79 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) WLAN 8.79 ±9.6 10600 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) WLAN 8.88 ±9.6 10601 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.89 ±9.6 10602 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10603 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) WLAN 8.97 ±9.6 10606						
10589 AAD						
10590 AAD IEEE 802.11a/n WiFl 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67						
10591 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.63					1	
10592 AAD						
10593 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) WLAN 8.64 ±9.6 10594 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10595 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) WLAN 8.74 ±9.6 10596 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) WLAN 8.71 ±9.6 10597 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle) WLAN 8.72 ±9.6 10598 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle) WLAN 8.50 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) WLAN 8.79 ±9.6 10600 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle) WLAN 8.88 ±9.6 10601 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.94 ±9.6 10602 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) WLAN 8.94 ±9.6 10603						
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10605 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) WLAN 8.82 ±9.6 10607 AAD IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6		AAD			9.03	±9.6
10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) WLAN 8.82 ±9.6 10607 AAD IEEE 802.11ac WiFI (20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6	10604	AAD			8.76	
10607 AAD IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6	$\overline{}$	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)		8.97	
					8.82	
10608 AAD IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle) WLAN 8.77 ±9.6	-		<u> </u>			
	10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

LUD	D-11	O	Croup	PAR (dB)	Unc ^E <i>k</i> = 2
10609	Rev	Communication System Name IEEE 802.11ac WIFI (20 MHz, MCS2, 90pc duty cycle)	Group WLAN	8.57	±9.6
10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10610	AAD	IEEE 802.11ac WiFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.77	±9.6
10612	AAD	IEEE 802.11ac WiFI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10614	AAD	IEEE 802.11ac WiFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10815	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10619	AAD	IEEE 802.11ac WiFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10620	AAD	IEEE 802.11ac WiFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10622	AAD	IEEE 802.11ac WiFI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10623	AAD	IEEE 802.11ac WiFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10628	AAD	IEEE 802.11ac WIFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10631	AAD	IEEE 802.11ac WIFI (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	6.79	±9.6
10638	AAE	IEEE 802.11ac WiFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAE	IEEE 802.11ac WiFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	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-TOD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5MHz, 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	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±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	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	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
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May 13, 2024

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19088 AAC EEE 602.1112 (POMPK, MCSS, 89pc duly cycle) WLAN 8.29 ±9.6	UID	Rev	Communication System Name	Group	PAR (dB)	
1988 AAC EEE 802.111x (20MHz, MCSR, 8900 duly cycle) WLAN 8.29 15.6						_
16989 AAC REES 802.1 tinz (20MHz, MCSF, 980p city cycle) WLAN 8.29 49.5 19.6						
16982 AAC IEEE 802.111x (2014Hz, NCSS, 89pc duly cycle)				ļ		
169893 ACC IEEE 802.11ax (2014th, MCS19) 890 duly cyclo)						
16989 A.A.C. IEEE 802.11ax (2014hr, MCS1). 99pc duty cycle)						
16985 A.C. IEEE 802.11ax (ADMHX, MCS1, 99pc duty cycle) W.A.A. 8.67 4.56, 1986 A.C. IEEE 802.11ax (ADMHX, MCS1, 90pc duty cycle) W.A.A. 8.61 4.56, 1986 A.C. IEEE 802.11ax (ADMHX, MCS1, 90pc duty cycle) W.A.A. 8.61 4.56, 1986 A.C. IEEE 802.11ax (ADMHX, MCS2, 90pc duty cycle) W.A.A. 8.61 4.56, 1989 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.69 4.56, 1989 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.69 4.56, 1989 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.69 4.56, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.69 4.56, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.69 4.56, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.60 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.20 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.30 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.30 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.30 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.30 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty cycle) W.A.A. 8.30 4.50, 1970 A.C. IEEE 802.11ax (ADMHX, MCS3, 90pc duty						
16986 ACC IEEE 802 Tax 640 MHz, NCS0, 80pc duty cycle)						
10967 AAC IEEE 802 T1x (40 MHz. MCSS), 90pc duty cycle)		ļ		<u> </u>		
1989 AAC IEEE 802 11ax (40 MHz, MCSS, 90pc duly youle)						
19898 AAC IEEE 802 11ax (40 MHz, MCSS, 90pc duly cycle)						
10989 AAC IEEE 80211ax (40 MHz, MCSS, 90pc duty youle)		↓				
10701 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duly cycle)					 	
10701 AAC					f	
107070 AAC		<u></u>		ļ		
107079 AAC			· · · · · · · · · · · · · · · · · · ·			
10706 AAC EEE 602.11ax (40 MHz, MCS1, 90pc duty cycle)		<u> </u>				
10705 AAC EEE 802.11ax (40 MHz, MCS10, 90pc duty cycle) WLAN 8.96 ±9.6 10707 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.22 ±9.6 10708 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.32 ±9.6 10708 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.32 ±9.6 10709 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.33 ±9.6 10710 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.33 ±9.6 10710 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.39 ±9.6 10711 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.39 ±9.6 10712 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.39 ±9.6 10713 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.33 ±9.6 10714 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.33 ±9.6 10716 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.26 ±9.6 10716 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.45 ±9.6 10716 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.46 ±9.6 10716 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.47 ±9.6 10717 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.48 ±9.6 10718 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.49 ±9.6 10719 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.49 ±9.6 10719 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.49 ±9.6 10719 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.49 ±9.6 10719 AAC EEE 802.11ax (40 MHz, MCS10, 190pc duty cycle) WLAN 8.47 ±9.6 10719 AAC EEE 802.11ax (80 MHz, MCS10, 190pc duty cycle) WLAN 8.47 ±9.6 10719 AAC EEE 802.11ax (80 MHz, MCS10, 190pc duty cycle) WLAN 8.47 ±9.6 10719 AAC EEE 802.11ax (80 MHz, MCS10, 190pc duty cycle) WLAN 8.47 ±9.6 10719 AAC EEE 802.11ax (8			· · · · · · · · · · · · · · · · · · ·			
10706 AAC EEE B02.11ax (40MHz, MCS11, 90pc duty cycle)						
10707 AAC EEE 802.11ax (40MHz, MCS1, 99pc duty cycle) WLAN 8.32 49.6 10709 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.55 49.6 10709 AAC IEEE 802.11ax (40MHz, MCS2, 89pc duty cycle) WLAN 8.33 49.6 10710 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.33 49.6 10710 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.39 49.6 10711 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.39 49.6 10712 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.39 49.6 10713 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.39 49.6 10714 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.33 49.6 10716 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.32 49.6 10716 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.45 49.8 10716 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.45 49.8 10717 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.45 49.8 10718 AAC IEEE 802.11ax (40MHz, MCS3, 89pc duty cycle) WLAN 8.46 49.6 10718 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.46 49.6 10718 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.47 49.8 10719 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.48 49.6 10719 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.47 49.6 10719 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.47 49.6 10719 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.47 49.6 10719 AAC IEEE 802.11ax (40MHz, MCS1, 89pc duty cycle) WLAN 8.47 49.6 10719 AAC IEEE 802.11ax (80MHz, MCS1, 89pc duty cycle) WLAN 8.47 49.6 10719 AAC IEEE 802.11ax (80MHz, MCS1, 89pc duty cycle) WLAN 8.47 49.6 10719 AAC IEEE 802.11ax (80MHz, MCS1, 89pc duty cycle) WLAN 8.57 49.6 10719 AAC IEEE 802.11ax (80MHz, MCS1, 89pc duty cycle) WLAN 8.47 49						
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10716 AAC IEEE 802.11ax (40 MHz, MCS8, 99pc duly cycle) WLAN 8.45 4.9.6 10717 AAC IEEE 802.11ax (40 MHz, MCS10, 99pc duly cycle) WLAN 8.30 4.9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS10, 99pc duly cycle) WLAN 8.48 4.9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duly cycle) WLAN 8.24 4.9.6 10719 AAC IEEE 802.11ax (80 MHz, MCS11, 90pc duly cycle) WLAN 8.87 4.9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duly cycle) WLAN 8.87 4.9.6 10721 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duly cycle) WLAN 8.87 4.9.6 10721 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duly cycle) WLAN 8.76 4.9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duly cycle) WLAN 8.76 4.9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duly cycle) WLAN 8.70 4.9.6 10724 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duly cycle) WLAN 8.70 4.9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duly cycle) WLAN 8.70 4.9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duly cycle) WLAN 8.70 4.9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duly cycle) WLAN 8.72 4.9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.72 4.9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.72 4.9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.66 4.9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.65 4.9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.65 4.9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.67 4.9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.67 4.9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.42 4.9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.42 4.9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duly cycle) WLAN 8.49 4.9.6 10734 AAC IEEE 802.1	10713	AAC		WLAN	8.33	±9.6
10716 AAC		AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10717 AAC EEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) WLAN 8.48 ±9.6 10718 AAC EEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.24 ±9.6 10720 AAC EEE 802.11ax (80 MHz, MCS0, 90pc duty cycle) WLAN 8.87 ±9.6 10720 AAC EEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.87 ±9.6 10721 AAC EEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.76 ±9.6 10721 AAC EEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.75 ±9.6 10723 AAC EEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.75 ±9.6 10723 AAC EEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10724 AAC EEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.70 ±9.6 10724 AAC EEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10725 AAC EEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10728 AAC EEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10728 AAC EEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 10729 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.66 ±9.6 10729 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.65 ±9.6 10729 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.65 ±9.6 10729 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.65 ±9.6 10729 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.65 ±9.6 10731 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.65 ±9.6 10734 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.42 ±9.6 10734 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.42 ±9.6 10734 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.42 ±9.6 10734 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.49 ±9.6 10738 AAC EEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.49 ±9.6 10738 AAC EEE 802.11ax (80 Mtz, MCS6, 90pc duty cycle) WLAN 8.49		AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10718 AAC	10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±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, MCS2, 90pc duty cycle) WLAN 8.76 ±9.6 10721 AAC IEEE 802.11ax (80 MHz, MCS3, 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, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10724 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10725 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.90 ±9.6 10725 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 10727 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.66 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.66 ±9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.65 ±9.8 10729 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.67 ±9.6 10731 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.67 ±9.6 10732 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.42 ±9.6 10732 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.46 ±9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.46 ±9.6 10735 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.40 ±9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.40 ±9.6 10735 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.40 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.25 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.29 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.40 ±9.6 10744 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty		AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)		8.48	
10720		AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	
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, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 10727 AAC IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle) WLAN 8.65 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle) WLAN 8.65 ±9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle) WLAN 8.65 ±9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) WLAN 8.65 ±9.6 10731 AAC IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle) WLAN 8.67 ±9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle) WLAN 8.42 ±9.6 10734 AAC IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle) WLAN 8.46 ±9.6 10735 AAC IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle) WLAN 8.46 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle) WLAN 8.46 ±9.6 10737 AAC IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle) WLAN 8.25 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle) WLAN 8.26 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.36 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.36 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10749 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10		AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10722	10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±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, MCS7, 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, MCS7, 90pc duty cycle) WLAN 8.66 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle) WLAN 8.66 ±9.6 10729 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 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) WLAN 8.67 ±9.6 10731 AAC IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) WLAN 8.67 ±9.6 10732 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.42 ±9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.46 ±9.6 10734 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.46 ±9.6 10735 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.40 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.25 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.27 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.27 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.29 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.42 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.49 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle) WLAN 8.49 ±9.6 10741 AAC IEEE 802.11ax (10 Mtz, MCS6, 90pc duty cycle) WLAN 8.49 ±9.6 10744 AAC IEEE 802.11ax (10 Mtz, MCS6, 90pc d	10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10724 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WILAN 8.90 ±9.6	10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10725 AAC IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS8, 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, MCS8, 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, 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 8.40 ±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, MCS3, 99pc duty cycle) WLAN 8.25 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle) WLAN 8.27 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.27 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.36 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.49 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10744 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10744 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10744 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.49 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) WLAN 8.49 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS9, 90pc	10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10728 AAC		AAC	<u> </u>	WLAN	8.90	±9.6
10727 AAC		AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10728		AAC		WLAN	8.72	±9.6
10729 AAC IEEE 802.11ax (80 MHz, MCS10, 90pc duly cycle) WLAN 8.64 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS11, 90pc duly cycle) WLAN 8.67 ±9.6 10731 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duly cycle) WLAN 8.42 ±9.6 10732 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duly cycle) WLAN 8.46 ±9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS2, 99pc duly cycle) WLAN 8.46 ±9.6 10734 AAC IEEE 802.11ax (80 MHz, MCS2, 99pc duly cycle) WLAN 8.25 ±9.8 10735 AAC IEEE 802.11ax (80 MHz, MCS3, 99pc duly cycle) WLAN 8.33 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS4, 99pc duly cycle) WLAN 8.33 ±9.6 10737 AAC IEEE 802.11ax (80 MHz, MCS5, 99pc duly cycle) WLAN 8.36 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duly cycle) WLAN 8.36 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS7, 99pc duly cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duly cycle) WLAN 8.29 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duly cycle) WLAN 8.49 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duly cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duly cycle) WLAN 8.40 ±9.6 10743 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duly cycle) WLAN 8.40 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS10, 90pc duly cycle) WLAN 8.49 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS10, 90pc duly cycle) WLAN 8.91 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duly cycle) WLAN 8.93			IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10730 AAC	10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±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 ±9.8 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, 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, MCS6, 99pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.49 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.43 ±9.6 10749 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.94 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.94 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6	10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10732 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duly cycle) WLAN 8.46 ±9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS2, 99pc duly cycle) WLAN 8.40 ±9.6 10734 AAC IEEE 802.11ax (80 MHz, MCS3, 99pc duly cycle) WLAN 8.25 ±9.6 10735 AAC IEEE 802.11ax (80 MHz, MCS4, 99pc duly cycle) WLAN 8.33 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS5, 99pc duly cycle) WLAN 8.27 ±9.6 10737 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duly cycle) WLAN 8.36 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duly cycle) WLAN 8.42 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS7, 99pc duly cycle) WLAN 8.29 ±9.6 10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duly cycle) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duly cycle) WLAN 8.48 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duly cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (160 MHz, MCS11, 99pc duly cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS0, 99pc duly cycle) WLAN 8.94 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duly cycle) WLAN 8.94 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duly cycle) WLAN 8.93 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duly cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duly cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duly cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duly cycle) WLAN 8.90 ±9.6 10751 AAC IEEE 802.11ax (160 Mtz, MCS7, 90pc duly cycle) WLAN 8.92					8.67	±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) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) WLAN 8.94 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) WLAN 8.93 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) WLAN 8.93 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.04 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.04 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.92 ±9.6 10750 AAC IEEE 802.11ax (160 MHz,		AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±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) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.94 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.93 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) WLAN 8.93 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.11 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.93 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10761 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10761 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10761 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10761 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.82 ±9.6 10761 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 8.8		AAC			8.46	
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) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.94 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle) WLAN 8.93 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle) WLAN 8.93 ±9.6 10746 AAC		AAC		WLAN	8.40	±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) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) WLAN 8.43 ±9.6 10742 AAC IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) WLAN 8.94 ±9.6 10743 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 9.91 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)		AAC		WLAN	8.25	±9.6
10737 AAC IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle) WLAN 8.96 ±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) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) 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 8.93 ±9.6 10746 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 10750 AAC <td></td> <td></td> <td></td> <td></td> <td>8.33</td> <td>±9.6</td>					8.33	±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) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) 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, MCS2, 90pc duty cycle) WLAN 8.93 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle) WLAN 9.04 ±9.6 10747 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)					8.27	±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 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) 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, 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 10750 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) WLAN 8.90 ±9.6 10751 AAC </td <td></td> <td></td> <td></td> <td>WLAN</td> <td></td> <td></td>				WLAN		
10740 AAC IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) WLAN 8.48 ±9.6 10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) 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, 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 10750 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) WLAN 8.90 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) WLAN 8.79 ±9.6 10751 AAC<		AAC	, , , , , , , , , , , , , , , , , , , ,		8.42	±9.6
10741 AAC IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) WLAN 8.40 ±9.6 10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle) 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, 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 8.93 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) WLAN 8.93 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle) WLAN 8.90 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) WLAN 8.79 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) WLAN 8.82 ±9.6		AAC			8.29	±9.6
10742 AAC IEEE 802.11ax (80 MHz, MCS11, 99pc duly cycle) WLAN 8.43 ±9.6 10743 AAC IEEE 802.11ax (160 MHz, MCS0, 90pc duly cycle) WLAN 8.94 ±9.6 10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duly cycle) WLAN 9.16 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS2, 90pc duly cycle) WLAN 8.93 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 9.11 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duly cycle) WLAN 9.04 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duly cycle) WLAN 8.93 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duly cycle) WLAN 8.90 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duly cycle) WLAN 8.79 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duly cycle) WLAN 8.82 ±9.6			IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±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, 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		AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10744 AAC IEEE 802.11ax (160 MHz, MCS1, 90pc duly cycle) WLAN 9.16 ±9.6 10745 AAC IEEE 802.11ax (160 MHz, MCS2, 90pc duly cycle) WLAN 8.93 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 9.11 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duly cycle) WLAN 9.04 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duly cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duly cycle) WLAN 8.79 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duly cycle) WLAN 8.82 ±9.6			IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10745 AAC IEEE 802.11ax (160 MHz, MCS2, 90pc duly cycle) WLAN 8.93 ±9.6 10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 9.11 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duly cycle) WLAN 9.04 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duly cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duly cycle) WLAN 8.79 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duly cycle) WLAN 8.82 ±9.6		AAC		WLAN	8.94	±9.6
10746 AAC IEEE 802.11ax (160 MHz, MCS3, 90pc duly cycle) WLAN 9.11 ±9.6 10747 AAC IEEE 802.11ax (160 MHz, MCS4, 90pc duly cycle) WLAN 9.04 ±9.6 10748 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duly cycle) WLAN 8.93 ±9.6 10749 AAC IEEE 802.11ax (160 MHz, MCS6, 90pc duly cycle) WLAN 8.90 ±9.6 10750 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duly cycle) WLAN 8.79 ±9.6 10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duly cycle) WLAN 8.82 ±9.6	10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±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		AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10748 AAC IEEE 802.11ax (160 MHz, MCS5, 90pc duly 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	10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±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	10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±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	10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duly cycle)	WLAN	8.93	±9.6
10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) WLAN 8.82 ±9.6	10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) WLAN 8.82 ±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	

LIID	Dou	Communication System Alama	Group	PAR (dB)	Unc ^E <i>k</i> = 2
10753	Rev	Communication System Name IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	Group WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS10, 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	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	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	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10785	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.40 8.35	±9.6 ±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	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 (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.34	±9.6
10819	AAE	5G NR (CP-OFDM, 100% RB, 15MRz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33 8.30	±9.6 ±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6
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10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	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	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	7.66	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAF	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 10873	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.52 6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 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
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, 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	8.41	±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	8.38	±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	5Q NR (DFT-s-OFDM, 1 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	6.53	±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	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAC	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	AAC	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	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	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
10904	AAC		5G NR FR1 TDD	5.68	±9.6
10905 10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.68 5.68	±9.6
10908	AAE	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, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
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10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.84 5.82	±9.6 ±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FRI TOD	5.84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	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, 25MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	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, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935 10936	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.90 5.77	±9.6 ±9.6
10937	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	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15kHz)	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	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAD	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 (DFT-s-OFDM, 100% RB, 25 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 FR1 FDD 5G NR FR1 FDD	5.94 5.87	±9.6 ±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±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	AĀĀ	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	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.36 9.40	±9.6
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAD	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 10980	AAA	ULLA HDR4 ULLA HDR8	ULLA	8.58	±9.6
10980	AAA AAA	ULLA HDR94	ULLA ULLA	10.32	±9.6
10981	AAA	ULLA HDRp8	ULLA	3.19 3.43	±9.6 ±9.6
.5002	, 507	ous tribingo	OLLA	ა.ყა	£3.0

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage C 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

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
Calibration date:	May 16, 2022 YW 5/31/2024 . / 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)

			1
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)	Арт-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	
			Mal
Approved by:	Sven Kühn	Technical Manager	
) /
			· · · · · · · · · · · · · · · · · · ·

Issued: May 17, 2022

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





S Schweizerischer Kalibrierdienst
Service suisse d'étalonnage
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Swiss Calibration Service

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Glossary:

TSL

tissue simulating liquid

ConvF

sensitivity in TSL / NORM x,y,z

N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

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		

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	Conductivity		
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 cm³ (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					
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

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

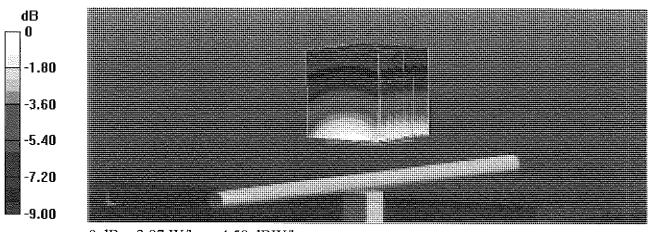
Peak SAR (extrapolated) = 3.28 W/kg

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

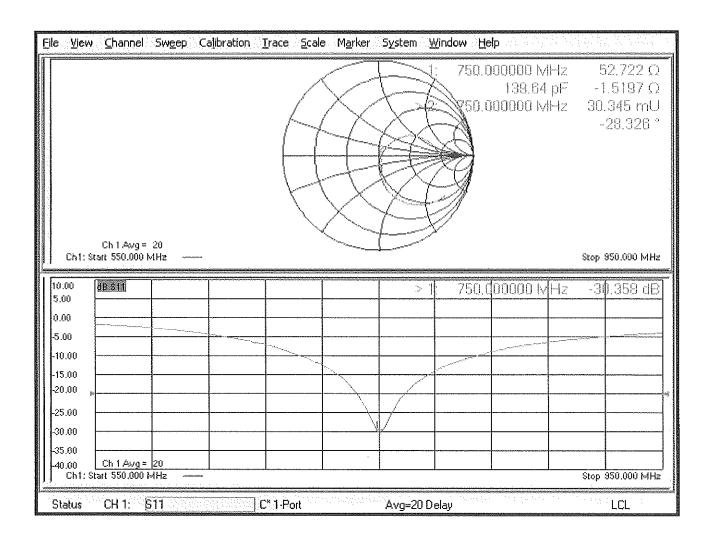
Ratio of SAR at M2 to SAR at M1 = 65.1%

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

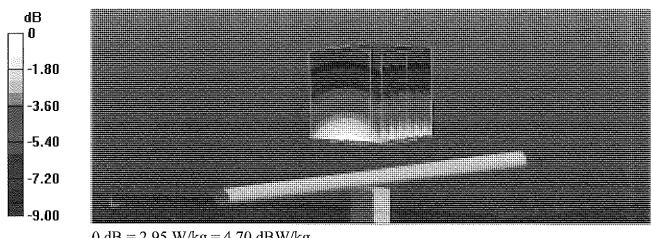
Peak SAR (extrapolated) = 3.38 W/kg

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

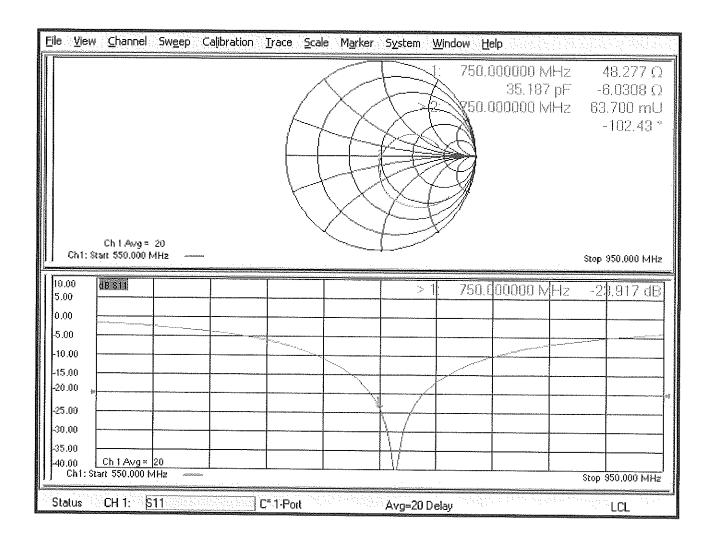
Ratio of SAR at M2 to SAR at M1 = 65.5%

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

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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	Sugge M. Sola

Object:	Date Issued:	Page 1 of 4
D750V3 - SN: 1057	05/16/2023	rage 1014

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:

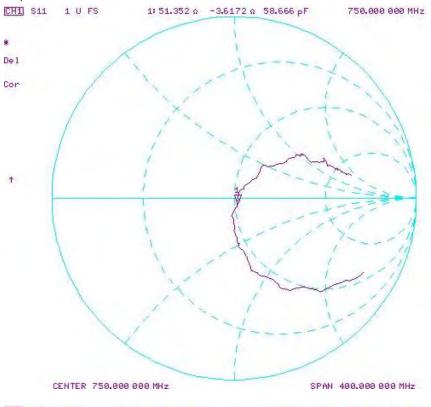
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

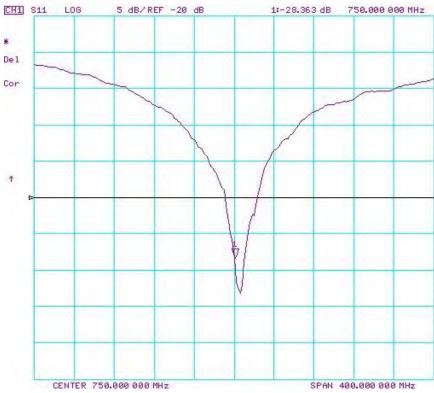
The following dipole was checked to pass the above 3 requirements to have 3-year calibration period from the calibration date:

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		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)	Certificate SAR Target Body (1g) W/kg @ 23.0 dBm	Measured Body SAR (1g) W/kg @ 23.0 dBm	Deviation 1g (%)	Certificate SAR Target Body (10g) W/kg @ 23.0 dBm	Measured Body SAR (10g) W/kg @ 23.0 dBm	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	Faye 2 01 4

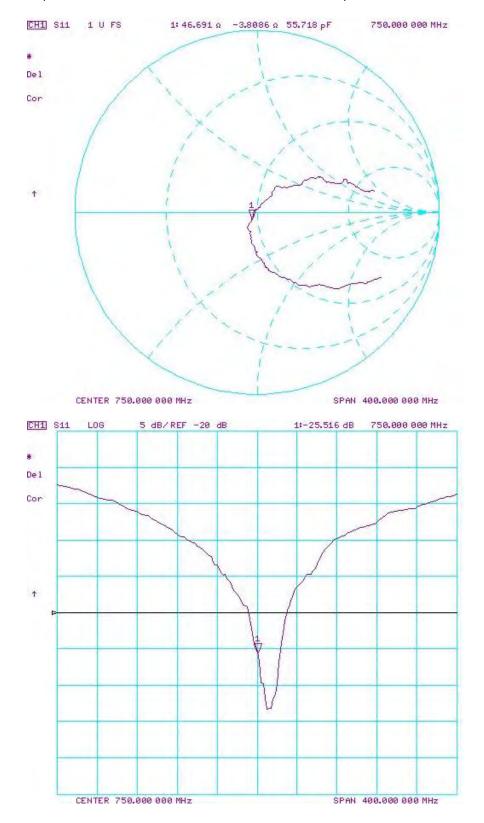
Impedance & Return-Loss Measurement Plot for Head TSL





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

element

ELEMENT MATERIALS TECHNOLOGY

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Tel. +1.408.538.5600
http://www.element.com



Certification of Calibration

Object D750V3 – SN: 1057

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

Extension Calibration date: May 16, 2024

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	6/2/2023	Annual	6/12/2024	MY40003841
Agilent	E4438C	ESG Vector Signal Generator	11/15/2023	Annual	11/15/2024	MY45092078
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Anritsu	ML2496A	Power Meter	6/15/2023	Annual	6/15/2024	1138001
Anritsu	MA24106A	USB Power Sensor	4/15/2024	Annual	4/15/2025	2018527
Anritsu	MA24106A	USB Power Sensor	4/15/2024	Annual	4/15/2025	1827528
Control Company	4040	Therm./ Clock/ Humidity Monitor	4/15/2024	Biennial	4/15/2026	240310282
Control Company	4353	Ultra Long Stem Thermometer	10/24/2023	Annual	10/24/2024	200645916
Agilent	85033E	3.5mm Standard Calibration Kit	7/18/2023	Annual	7/18/2024	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	9/11/2023	Annual	9/11/2024	1045
SPEAG	EX3DV4	SAR Probe	10/2/2023	Annual	10/2/2024	3949
SPEAG	DAE4	Dasy Data Acquisition Electronics	9/12/2023	Annual	9/12/2024	1684

Measurement Uncertainty = ±23% (k=2)

	Name	Function	Signature
Calibrated By:	Arturo Oliveros	Compliance Engineer	46
Approved By:	Greg Snyder	Executive VP of Operations	LuggellSple

Object:	Date Issued:	Page 1 of 3
D750V3 – SN: 1057	05/16/2024	Page 1 of 3

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:

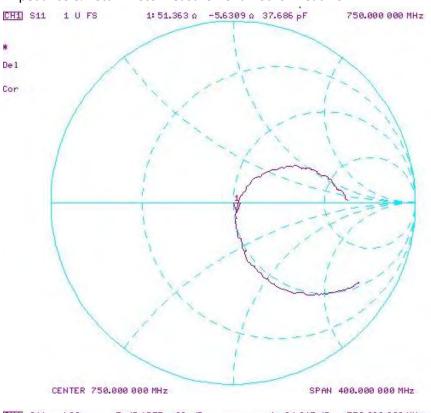
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance 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		Certificate Impedance Head (Ohm) Real		Difference (Ohm) Real			(Ohm)	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	
5/16/2022	5/16/2024	1.038	1.7	1.75	2.82%	1.12	1.15	3.05%	52.7	51.4	1.3	-1.5	-5.6	4.1	-30.4	-24.3	19.90%	ı

Object:	Date Issued:	Page 2 of 3
D750V3 – SN: 1057	05/16/2024	rage 2 01 3

Impedance & Return-Loss Measurement Plot for Head TSL





Object:	Date Issued:	Page 3 of 3
D750V3 – SN: 1057	05/16/2024	rage 3 01 3

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

Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS)

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

Morgan Hill, USA

Element



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

Accreditation No.: SCS 0108

Certificate No. D750V3-1097_Sep23

IBRATION CERTIFICATE

Object

Client

D750V3 - SN:1097

Calibration procedure(s)

QA CAL-05.v12

Calibration Procedure for SAR Validation Sources between 0.7-

YW 10/11/2024

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)

ID#	Cal Date (Certificate No.)	Scheduled Calibration
SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
SN: 310982 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
SN: 7349	10-Jan-23 (No. EX3-7349_Jan23)	Jan-24
SN: 601	19-Dec-22 (No. DAE4-601_Dec22)	Dec-23
ID#	Check Date (in house)	Scheduled Check
SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
Name	Function	Signature
Paulo Pina	Laboratory Technician	
		1/4/11-2
Sven Kühn	Technical Manager	
	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name Paulo Pina	SN: 104778 30-Mar-23 (No. 217-03804/03805) SN: 103244 30-Mar-23 (No. 217-03804) SN: 103245 30-Mar-23 (No. 217-03805) SN: BH9394 (20k) 30-Mar-23 (No. 217-03809) SN: 310982 / 06327 30-Mar-23 (No. 217-03810) SN: 7349 10-Jan-23 (No. EX3-7349_Jan23) SN: 601 19-Dec-22 (No. DAE4-601_Dec22) ID # Check Date (in house) SN: GB39512475 30-Oct-14 (in house check Oct-22) SN: US37292783 07-Oct-15 (in house check Oct-22) SN: MY41093315 07-Oct-15 (in house check Oct-22) SN: 100972 15-Jun-15 (in house check Oct-22) SN: US41080477 31-Mar-14 (in house check Oct-22) Name Function Paulo Pina Laboratory Technician

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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage C 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

Glossarv:

TSL

tissue simulating liquid

ConvF

sensitivity in TSL / NORM x,y,z

N/A

not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

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. W 17. M

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 cm ³ (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	

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

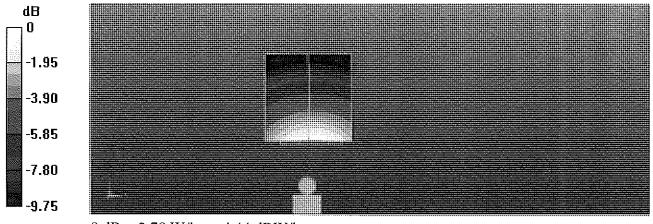
Peak SAR (extrapolated) = 3.17 W/kg

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%

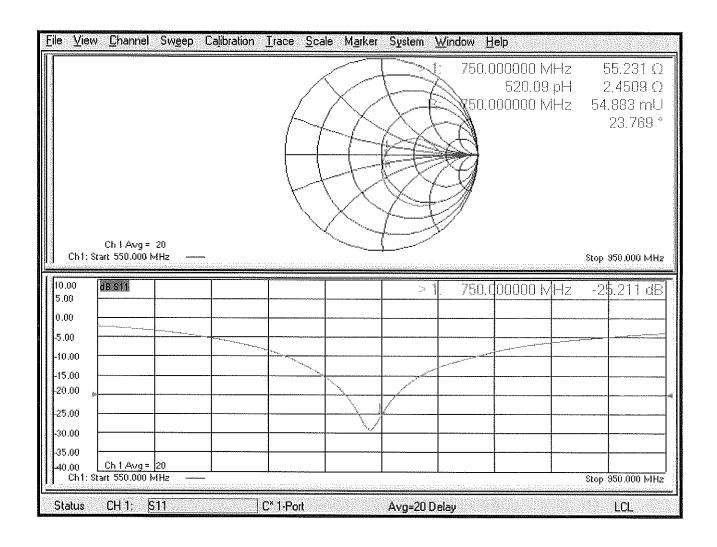
Maximum value of SAR (measured) = 2.78 W/kg



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

Certificate No: D750V3-1097_Sep23

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

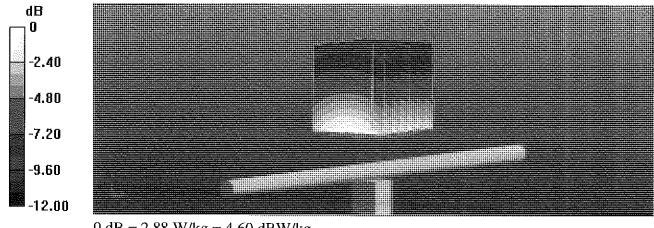
Peak SAR (extrapolated) = 3.25 W/kg

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

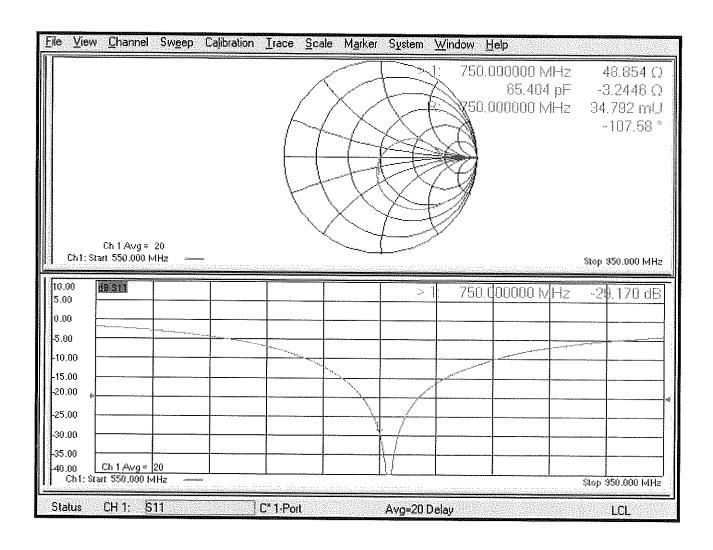
Ratio of SAR at M2 to SAR at M1 = 66.6%

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



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
18855 Adams Ct, Morgan Hill, CA 95037 USA
Tel. +1.408.538.5600
http://www.element.com



Certification of Calibration

Object D750V3 – SN: 1097

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

Extension Calibration date: September 13, 2024

Description: SAR Validation Dipole at 750 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Hewlett Packard	8753E	RF Vector Network Analyzer	5/21/2024	Annual	5/21/2025	US38161081
Agilent	E4438C	ESG Vector Signal Generator	5/19/2024	Annual	5/19/2025	US41460739
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Anritsu	ML2496A	Power Meter	7/15/2024	Annual	7/15/2025	1138001
Anritsu	MA2411B	Pulse Power Sensor	7/10/2024	Annual	7/10/2025	1126066
Anritsu	MA2411B	Pulse Power Sensor	7/1/2024	Annual	7/1/2025	1911105
Traceable	4040 90080-06	Therm./ Clock/ Humidity Monitor	1/15/2024	Annual	1/15/2025	160574418
Control Company	4352	Ultra Long Stem Thermometer	1/15/2024	Annual	1/15/2025	160508097
Agilent	85033E	3.5mm Standard Calibration Kit	7/31/2024	Annual	7/31/2025	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	5/14/2024	Annual	5/14/2025	1070
SPEAG	EX3DV4	SAR Probe	2/9/2024	Annual	2/9/2025	7427
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/9/2024	Annual	2/9/2025	467

Measurement Uncertainty = ±23% (k=2)

	Name	Function	Signature
Calibrated By:	Arturo Oliveros	Compliance Engineer	40
Approved By:	Greg Snyder	Executive VP of Operations	LuggellSol

Object:	Date Issued:	Page 1 of 3
D750V3 – SN: 1097	09/13/2024	Page 1 of 3

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:

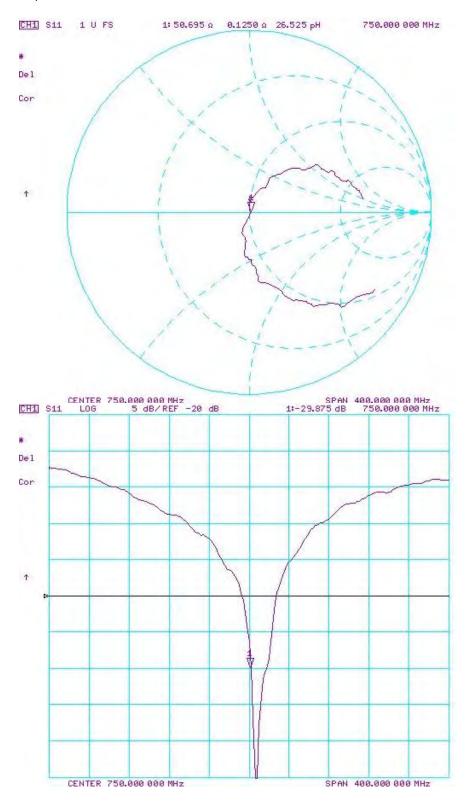
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

The following dipole was checked to pass the above 3 requirements to have 2-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	Measured Impedance Head (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)
9/13/2023	9/13/2024	1.038	1.65	1.72	3.99%	1.08	1.14	5.95%	55.2	50.7	4.5	2.5	0.1	2.4	-25.2	-29.9	-18.60%

Object:	Date Issued:	Page 2 of 3
D750V3 – SN: 1097	09/13/2024	Page 2 of 3

Impedance & Return-Loss Measurement Plot for Head TSL



Object:	Date Issued:	Page 3 of 3	
D750V3 - SN: 1097	09/13/2024	rage 3 01 3	

Calibration Laboratory of

Schmid & Partner **Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst Service suisse d'étalonnage C 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

Client

Element Morgan Hill, USA

Certificate No.

D835V2-4d040_Oct24

CALIBRATION CERTIFICATE

Object

D835V2 - SN: 4d040

Calibration procedure(s)

QA CAL-05.v12

Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date

October 25, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	22-Jul-24 (No. 4030A315008547)	Jul-25
Spectrum Analyzer R&S FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Mismatch; Short [S4188] Attenuator [S4423]	SN: 1152	28-Mar-24 (No. 217-04050)	Mar-25
OCP DAK-12	SN: 1016	24-Sep-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sep-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4ip	SN: 1602	08-Nov-23 (No. DAE4ip-1602_Nov23)	Nov-24
DAE4ip	SN: 1836	10-Jan-24 (No. DAE4ip-1836_Jan24)	Jan-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 675-CAL16-S4588-240528)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

Name

Function

Signature

Calibrated by

Krešimir Franjić

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: October 25, 2024

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

Certificate No: D835V2-4d040_Oct24

Page 1 of 9

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Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Multilateral Agreement for the recognition of calibration certificates

Glossary

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

Calibration is Performed According to the Following Standards

- 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.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

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

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

Certificate No: D835V2-4d040_Oct24 Page 2 of 9

D835V2 - SN: 4d040 October 25, 2024

Measurement Conditions

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

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with spacer
Zoom Scan Resolution	dx, dy = 6mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	835MHz ±1MHz	

Head TSL parameters at 835 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.900 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	42.5 ±6%	0.900 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 835 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	2.41 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.59 W/kg ±17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	1.57 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.25 W/kg ±16.5% (k = 2)

Certificate No: D835V2-4d040_Oct24 F

Body TSL parameters at 835 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	55.2	0.970 mho/m
Measured Body TSL parameters	(22.0 ±0.2)°C	55.5 ±6%	0.990 mho/m ±6%
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 835 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR for nominal Body TSL parameters	24 dBm input power	2.59 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	10.3 W/kg ±17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	Condition	
SAR for nominal Body TSL parameters	24 dBm input power	1.68 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	6.69 W/kg ±16.5% (k = 2)

Certificate No: D835V2-4d040_Oct24

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 835 MHz

Impedance	49.3 Ω – 4.1 jΩ
Return Loss	-27.6 dB

Antenna Parameters with Body TSL at 835 MHz

Impedance	45.4 Ω – 5.6 jΩ
Return Loss	-22.4 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.39 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

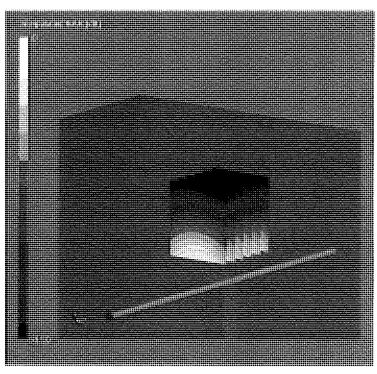
Certificate No: D835V2-4d040_Oct24 Page 5 of 9

System Performance Check Report

Summary							
Dipole		į	Frequency (MH	z] TSL	Power [dBm]		
D835V2 - SN4d040		1	835	HSL	. 24		
Exposure Condition	15						
Phantom Section, TSL	Test Distance (mm)	Band	Group, UID	Frequency [MHz], Channel Numbe	r Conversion Factor	TSt. Conductivity (S/m)	TSE Permittivity
Flat	3 5		CW, 0	835,0	9,61	0.90	42.5
Hardware Setup							
Phantom	TSL, Measured Date		Prot	oe, Calibration Date	DAE,	Calibration Date	
Flat V4.9 mod	HSL, 2024-10-25		EX3	DV4 - SN7349, 2024-06-03	DAE4	ip Sn1836, 2024-01-10	
Scans Setup				Measurem	ent Results		
				Zoom Scan			Zoom Scan

	Zoom Scan
Grld Extents (mm)	30 x 30 x 30
Grld Steps (mm)	6.0 x 6.0 x 1.5
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.5
MAIA	N/A
Surface Detection	All points
Scan Method	Measured

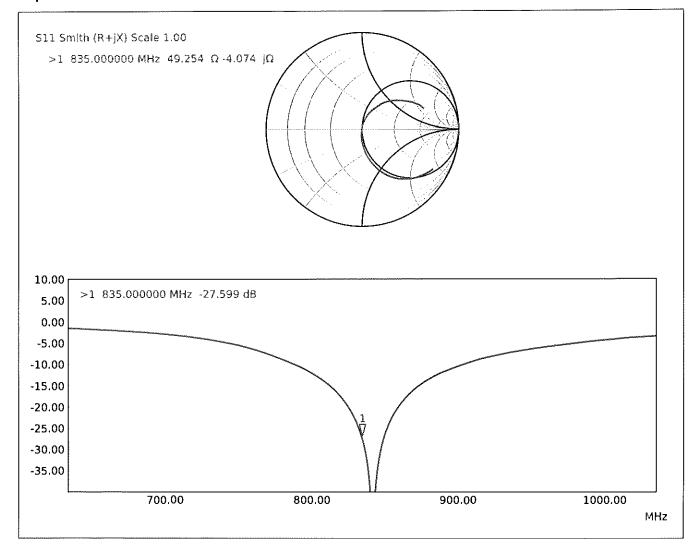
Measurement Results	
	Zoom Scan
Date	2024-10-23
psSAR1g [W/Kg]	2.41
psSAR10g [W/Kg]	1.57
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor (d8)	
TSL Correction	Positive / Negative



0 dB = 3.68 W/Kg

D835V2 - SN: 4d040 October 25, 2024

Impedance Measurement Plot for Head TSL



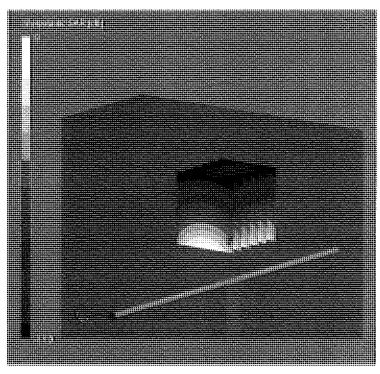
System Performance Check Report

Dipole		F	requency [MH	z] T\$L	Power [dBm]		
D835V2 - SN4d040	835		MSL 24				
Exposure Condition							TC D 1111
Phantom Section, TSL	Test Distance (mm)	8and	Group, UID	Frequency (MHz), Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivit
	15		CW. 0	835, 0	9.85	0.99	55.5

Phanto <i>m</i>	TSL, Measured Date	Probe, Calibration Date	DAE, Callbration Date	
Flat V4.9 mod	MSL, 2024-10-25	EX3DV4 - SN7349, 2024-06-03	DAE4lp Sn1602, 2023-11-08	

	Zoom Scan
Grid Extents [mm]	30 x 30 x 30
Grid Steps [mm]	6.0 x 6.0 x 1.5
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.5
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

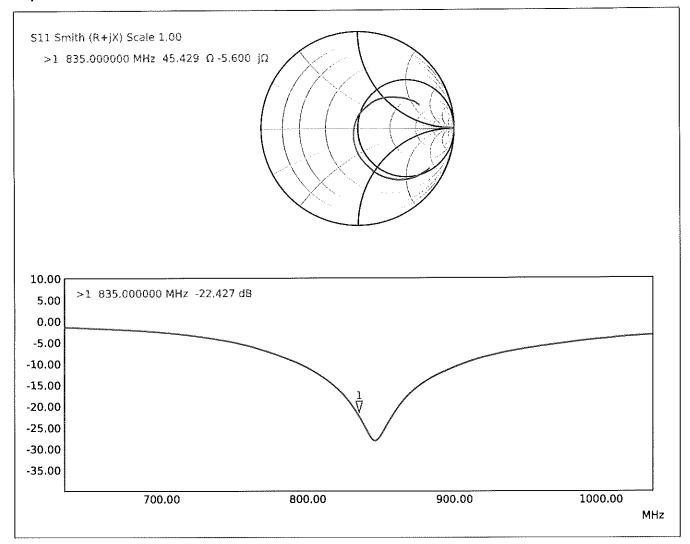
Measurement Results	
	Zoom Scan
Date	2024-10-25
psSAR1g [W/Kg]	2.59
psSAR10g [W/Kg]	1.68
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor (dB)	
TSL Correction	Positive / Negative



0 dB = 4.14 W/Kg

D835V2 - SN: 4d040 October 25, 2024

Impedance Measurement Plot for Body TSL



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Client

Element Morgan Hill, USA

Certificate No.

D1900V2-5d131_Oct24

CALIBRATION CERTIFICATE

Object

D1900V2 - SN: 5d131

Calibration procedure(s)

QA CAL-05.v12

Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date

October 23, 2024

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

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}$ C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	22-Jul-24 (No. 4030A315008547)	Jul-25
Spectrum Analyzer R&S FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Mismatch; Short [S4188] Attenuator [S4423]	SN: 1152	28-Mar-24 (No. 217-04050)	Mar-25
OCP DAK-12	SN: 1016	24-Sep-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sep-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4ip	SN: 1836	10-Jan-24 (No. DAE4ip-1836_Jan24)	Jan-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 675-CAL16-S4588-240528)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

	Name	Function	Signature	
Calibrated by	Paulo Pina	Laboratory Technician	1 factor	
Approved by	Sven Kühn	Technical Manager	82>	

Issued: October 23, 2024

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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

- 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.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

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

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

Measurement Conditions

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

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Zoom Scan Resolution	dx, dy = 6mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	1900MHz ±1MHz	

Head TSL parameters at 1900 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	40.5 ±6%	1.39 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 1900 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	9.99 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	39.8 W/kg ±17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	5.26 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	20.9 W/kg ±16.5% (k = 2)

Certificate No: D1900V2-5d131_Oct24 Page 3 of 6

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 1900 MHz

Impedance	51.8 Ω + 6.1 jΩ
Return Loss	-24.1 dB

General Antenna Parameters and Design

	4.000
Electrical Delay (one direction)	1.203 ns
	7,2007,0

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

Certificate No: D1900V2-5d131_Oct24 Page 4 of 6

System Performance Check Report

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3	u	ш	ш	a	ľV	

Dipole	Frequency [MHz]	TSL	Power (dBm)
D1900Y2 - SN5d131	1900	HSL	24

Exposure Conditions

Phantom Section, TSL	Test Distance (mm)	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [5/m]	TSL Permittivity
Flat	10		CW, 0	1900, 0	7.73	1,39	40.5

Hardware Setup

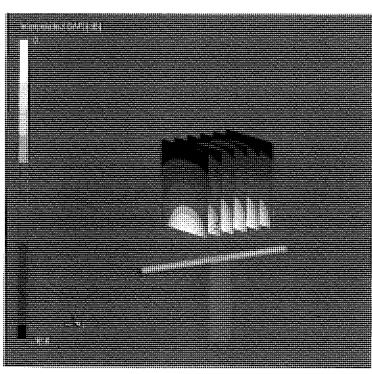
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Right	HSL, 2024-10-23	EX3DV4 - 5N7349, 2024-06-03	DAE4ip Sn1836, 2024-01-10

Scans Setup

	Zoom Scan
Grid Extents (mm)	30 x 30 x 30
Grid Steps (mm)	6.0 x 6.0 x 1.5
Sensor Surface [mm]	1,4
Graded Grid	Yes
Grading Ratio	1.5
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

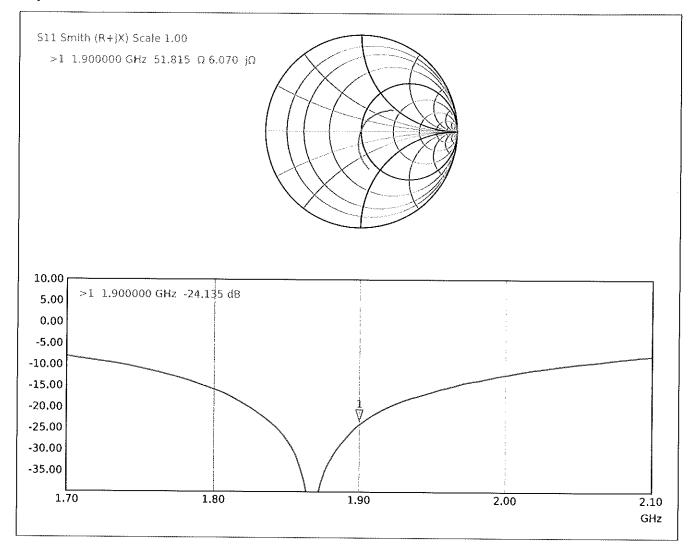
Measurement Results

	Zoom Scan
Date	2024-10-23
psSAR1g [W/Kg]	9.99
psSAR10g [W/Kg]	5.26
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Posttive / Negative



0 dB = 17.9 W/Kg

Impedance Measurement Plot for Head TSL



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C

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Client Element

Morgan Hill, USA

Certificate No. D3500V2-1126_Jun24

CALIBRATION CERTIFICATE

D3500V2 - SN:1126 Object

QA CAL-22.v7 Calibration procedure(s)

Calibration Procedure for SAR Validation Sources between 3-10 GHz

June 10, 2024 Calibration date:

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
Power sensor NRP-Z91	SN: 103245	26-Mar-24 (No. 217-04037)	Mar-25
Reference 20 dB Attenuator	SN: BH9394 (20k)	26-Mar-24 (No. 217-04046)	Mar-25
Type-N mismatch combination	SN: 310982 / 06327	26-Mar-24 (No. 217-04047)	Mar-25
Reference Probe EX3DV4	SN: 3503	07-Mar-24 (No. EX3-3503_Mar24)	Mar-25
DAE4	SN: 601	22-May-24 (No. DAE4-601_May24)	Мау-25
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:	Leif Klysner	Laboratory Technician	Seef Tilger
Approved by:	Sven Kühn	Technical Manager	; A. A. MILL

Issued: June 10, 2024

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Certificate No: D3500V2-1126_Jun24

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Glossary:

TSL

tissue simulating liquid

ConvF

sensitivity in TSL / NORM x,y,z

N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3500 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.9	2.91 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.6 ± 6 %	2.94 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	100 mW input power	6.61 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.2 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.49 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.0 W/kg ± 19.5 % (k=2)

Certificate No: D3500V2-1126_Jun24

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.1 Ω - 1.6 jΩ
Return Loss	- 31.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.133 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

Certificate No: D3500V2-1126_Jun24

DASY5 Validation Report for Head TSL

Date: 10.06.2024

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN:1126

Communication System: UID 0 - CW; Frequency: 3500 MHz

Medium parameters used: f = 3500 MHz; $\sigma = 2.94 \text{ S/m}$; $\varepsilon_r = 38.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN3503; ConvF(7.63, 7.63, 7.63) @ 3500 MHz; Calibrated: 07.03.2024

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

Electronics: DAE4 Sn601; Calibrated: 22.05.2024

Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001

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

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3500MHz/Zoom Scan,

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.84 V/m; Power Drift = 0.02 dB

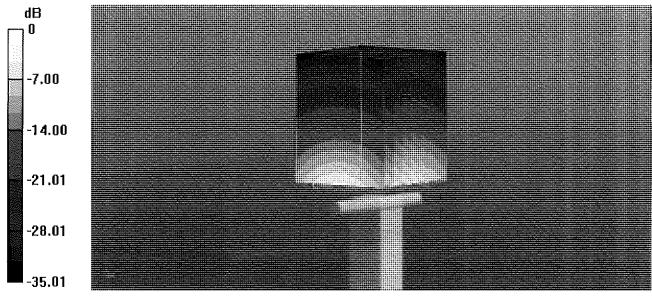
Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 6.61 W/kg; SAR(10 g) = 2.49 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 74.3%

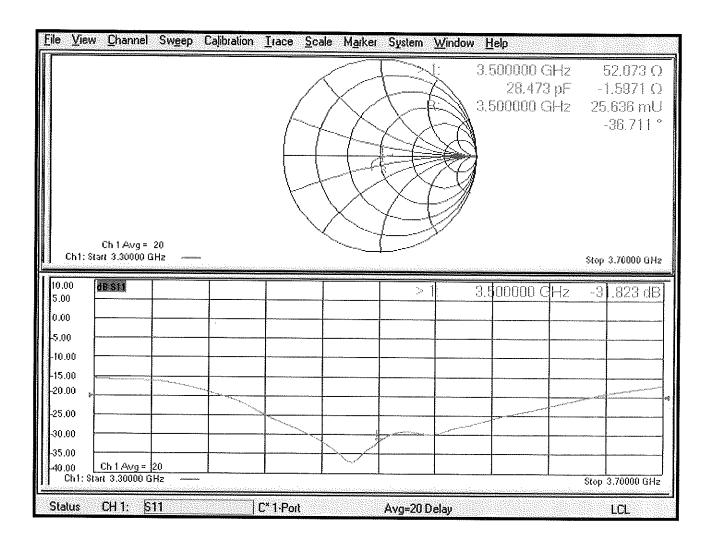
Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 12.4 W/kg = 10.93 dBW/kg

Certificate No: D3500V2-1126_Jun24

Impedance Measurement Plot for Head TSL



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Client Element

Morgan Hill, USA

Certificate No. D3700V2-1097_Jun24

CALIBRATION CERTIFICATE

Object

D3700V2 - SN:1097

6/25/24

Calibration procedure(s)

QA CAL-22.v7

Calibration Procedure for SAR Validation Sources between 3-10 GHz

Calibration date:

June 10, 2024

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°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	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
Power sensor NRP-Z91	SN: 103245	26-Mar-24 (No. 217-04037)	Mar-25
Reference 20 dB Attenuator	SN: BH9394 (20k)	26-Mar-24 (No. 217-04046)	Mar-25
Type-N mismatch combination	SN: 310982 / 06327	26-Mar-24 (No. 217-04047)	Mar-25
Reference Probe EX3DV4	SN: 3503	07-Mar-24 (No. EX3-3503_Mar24)	Mar-25
DAE4	SN: 601	22-May-24 (No. DAE4-601_May24)	May-25
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:	Leif Klysner	Laboratory Technician	Sed There
Approved by:	Sven Kühn	Technical Manager	A. A. A. A. L.

Issued: June 10, 2024

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Certificate No: D3700V2-1097_Jun24

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Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL

tissue simulating liquid

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

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3700 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.7	3.12 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.4 ± 6 %	3.10 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	100 mW input power	6.75 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	67.9 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.46 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.7 W/kg ± 19.5 % (k=2)

Certificate No: D3700V2-1097_Jun24

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	$45.8 \Omega + 0.6 $ jΩ
Return Loss	- 27.0 dB

General Antenna Parameters and Design

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	Electrical Delay (one direction)	1.130 ns
	· · · · · · · · · · · · · · · · · · ·	<u></u>

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: D3700V2-1097_Jun24

DASY5 Validation Report for Head TSL

Date: 10.06.2024

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2 - SN:1097

Communication System: UID 0 - CW; Frequency: 3700 MHz

Medium parameters used: f = 3700 MHz; $\sigma = 3.1 \text{ S/m}$; $\varepsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

• Probe: EX3DV4 - SN3503; ConvF(7.35, 7.35, 7.35) @ 3700 MHz; Calibrated: 07.03.2024

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn601; Calibrated: 22.05.2024

• Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001

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

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3700MHz/Zoom Scan,

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.14 V/m; Power Drift = 0.03 dB

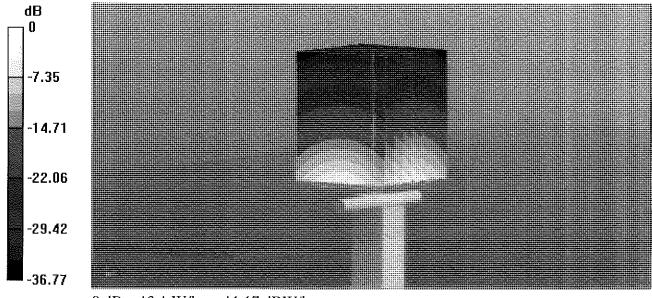
Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 6.75 W/kg; SAR(10 g) = 2.46 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 73.5%

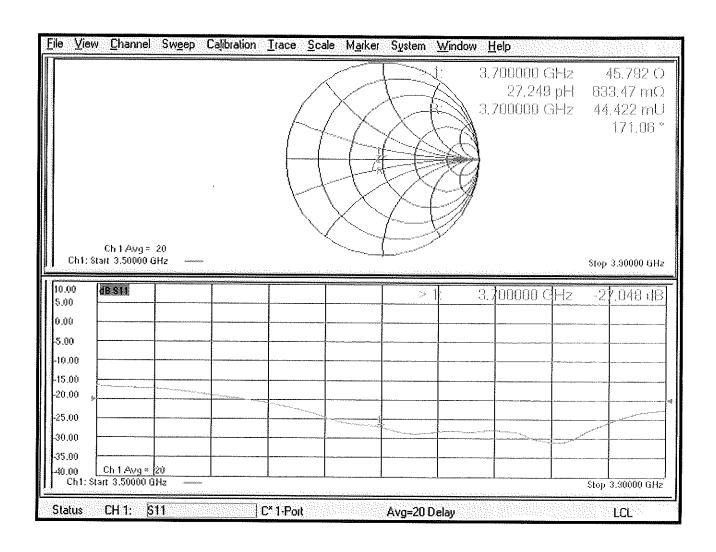
Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

Certificate No: D3700V2-1097_Jun24

Impedance Measurement Plot for Head TSL



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





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Client

Element

Columbia, USA

Certificate No.

D3900V2-1056 Oct23

CALIBRATION CERTIFICATE

Object

D3900V2 - SN:1056

YW 11/19/2024

Calibration procedure(s)

QA CAL-22.v7

Calibration Procedure for SAR Validation Sources between 3-10 GHz

Calibration date:

October 19, 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: 3503	07-Mar-23 (No. EX3-3503_Mar23)	Mar-24
DAE4	SN: 601	03-Oct-23 (No. DAE4-601_Oct23)	Oct-24
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	
Approved by:	Sven Kühn	Technical Manager	\leq /
			\mathcal{L}

Issued: October 19, 2023

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

Certificate No: D3900V2-1056_Oct23

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Calibration Laboratory of

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





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

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Glossary:

TSL

tissue simulating liquid

ConvF

sensitivity in TSL / NORM x,y,z

N/A

not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna
- 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 V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3900 MHz ± 1 MHz 4100 MHz ± 1 MHz	

Head TSL parameters at 3900 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.5	3.32 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.9 ± 6 %	3.26 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 3900 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.78 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	68.2 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.37 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.8 W/kg ± 19.5 % (k=2)

Head TSL parameters at 4100 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.2	3.53 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.7 ± 6 %	3.44 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	Late State State	

SAR result with Head TSL at 4100 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.63 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.7 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.30 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.1 W/kg ± 19.5 % (k=2)

Certificate No: D3900V2-1056_Oct23

Body TSL parameters at 3900 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	50.8	3.78 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.4 ± 6 %	3.71 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 3900 MHz

SAR averaged over 1 cm³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	6.49 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	65.3 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.25 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	22.5 W/kg ± 19.5 % (k=2)

Body TSL parameters at 4100 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	50.5	4.01 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.2 ± 6 %	3.95 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C	• • • • • • • • • • • • • • • • • • • •	

SAR result with Body TSL at 4100 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	6.26 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	62.9 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.15 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	21.6 W/kg ± 19.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 3900 MHz

Impedance, transformed to feed point	47.8 Ω - 6.8 jΩ
Return Loss	- 22.8 dB

Antenna Parameters with Head TSL at 4100 MHz

Impedance, transformed to feed point	59.5 Ω - 1.2 jΩ
Return Loss	- 21.2 dB

Antenna Parameters with Body TSL at 3900 MHz

Impedance, transformed to feed point	46.8 Ω - 4.1 jΩ
Return Loss	- 25.4 dB

Antenna Parameters with Body TSL at 4100 MHz

Impedance, transformed to feed point	59.2 Ω + 1.7 jΩ
Return Loss	- 21.3 dB

General Antenna Parameters and Design

ſ	Electrical Delay (one direction)	1.102 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

I Manufactured by	I SDEAC I
	I SELAG I
	*· -· · ·

Certificate No: D3900V2-1056_Oct23 Page 5 of 11

DASY5 Validation Report for Head TSL

Date: 16.10.2023

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: D3900V2 - SN:1056

Communication System: UID 0 - CW; Frequency: 3900 MHz, Frequency: 4100 MHz Medium parameters used: f = 3900 MHz; σ = 3.26 S/m; ϵ_r = 37.9; ρ = 1000 kg/m³ Medium parameters used: f = 4100 MHz; σ = 3.44 S/m; ϵ_r = 37.7; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.39, 7.39, 7.39) @ 3900 MHz, ConvF(7.26, 7.26, 7.26) @ 4100 MHz; Calibrated: 07.03.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 03.10.2023
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.51 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 19.1 W/kg

SAR(1 g) = 6.78 W/kg; SAR(10 g) = 2.37 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 74.1%

Maximum value of SAR (measured) = 13.2 W/kg

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=4100MHz/Zoom Scan,

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.87 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 18.8 W/kg

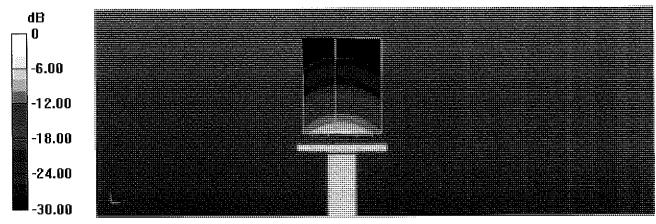
SAR(1 g) = 6.63 W/kg; SAR(10 g) = 2.3 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 74%

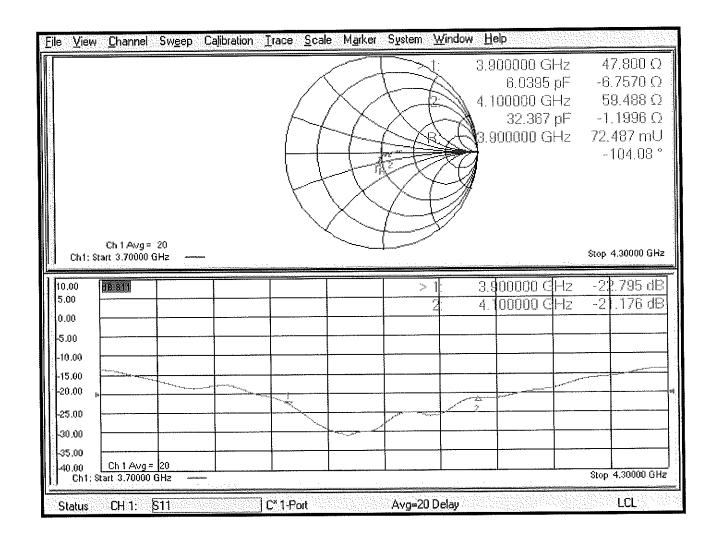
Maximum value of SAR (measured) = 13.0 W/kg

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0 dB = 13.2 W/kg = 11.21 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 19.10.2023

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: D3900V2 - SN:1056

Communication System: UID 0 - CW; Frequency: 3900 MHz, Frequency: 4100 MHz Medium parameters used: f = 3900 MHz; σ = 3.71 S/m; ϵ_r = 51.4; ρ = 1000 kg/m³ Medium parameters used: f = 4100 MHz; σ = 3.95 S/m; ϵ_r = 51.2; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.18, 7.18, 7.18) @ 3900 MHz, ConvF(6.88, 6.88, 6.88) @ 4100 MHz; Calibrated: 07.03.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 03.10.2023
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 62.88 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 6.49 W/kg; SAR(10 g) = 2.25 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 73.6%

Maximum value of SAR (measured) = 12.8 W/kg

Dipole Calibration for Body Tissue/Pin=100 mW, d=10mm, f=4100MHz/Zoom Scan,

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 61.50 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 18.9 W/kg

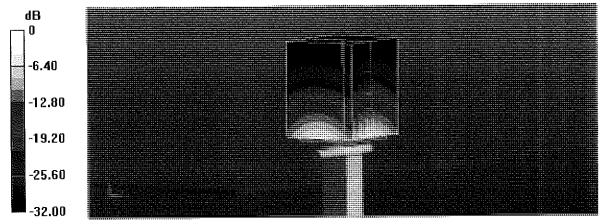
SAR(1 g) = 6.26 W/kg; SAR(10 g) = 2.15 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 72.1%

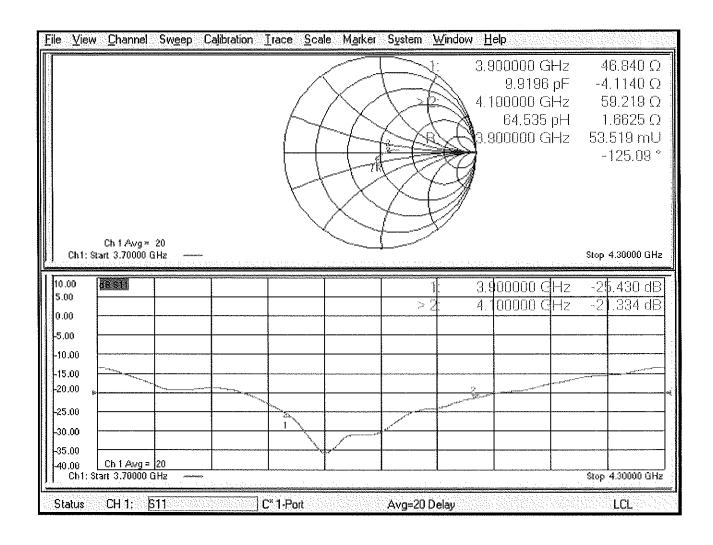
Maximum value of SAR (measured) = 12.5 W/kg

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0 dB = 12.8 W/kg = 11.06 dBW/kg

Impedance Measurement Plot for Body TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST) 18855 Adams Ct, Morgan Hill, CA 95037 USA Tel. +1.408.538.5600 http://www.element.com



Certification of Calibration

Object D3900V2 – SN: 1056

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

Extension Calibration date: October 19, 2024

Description: SAR Validation Dipole at 3900, 4100 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Hewlett Packard	8753E	RF Vector Network Analyzer	5/21/2024	Annual	5/21/2025	US38161081
Agilent	E4438C	ESG Vector Signal Generator	5/19/2024	Annual	5/19/2025	US41460739
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Anritsu	ML2496A	Power Meter	7/15/2024	Annual	7/15/2025	1138001
Anritsu	MA2411B	Pulse Power Sensor	7/10/2024	Annual	7/10/2025	1126066
Anritsu	MA2411B	Pulse Power Sensor	7/1/2024	Annual	7/1/2025	1911105
Traceable	4040 90080-06	Therm./ Clock/ Humidity Monitor	1/15/2024	Annual	1/15/2025	160574418
Control Company	4352	Ultra Long Stem Thermometer	1/15/2024	Annual	1/15/2025	160508097
Agilent	85033E	3.5mm Standard Calibration Kit	7/31/2024	Annual	7/31/2025	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	5/14/2024	Annual	5/14/2025	1070
SPEAG	EX3DV4	SAR Probe	9/4/2024	Annual	9/4/2025	7668
SPEAG	DAE4	Dasy Data Acquisition Electronics	8/8/2024	Annual	8/8/2025	1681

Measurement Uncertainty = ±23% (k=2)

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

Object:	Date Issued:	Page 1 of 4
D3900V2 – SN: 1056	10/19/2024	rage 1014

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:

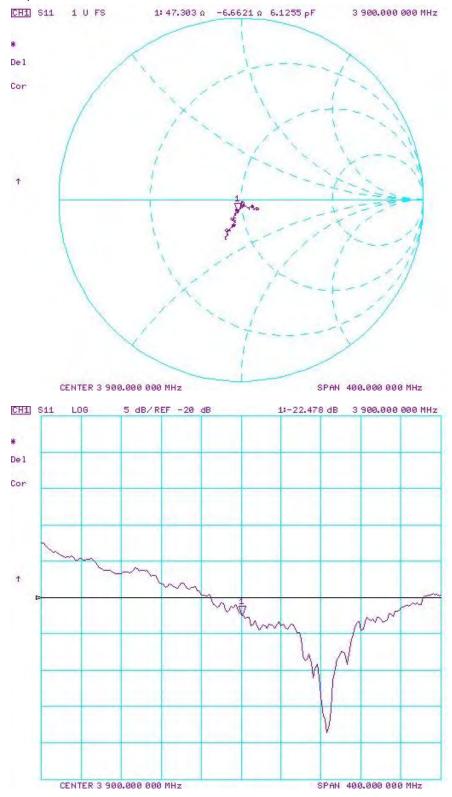
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

The following dipole was checked to pass the above 3 requirements to have 2-year calibration period from the calibration date:

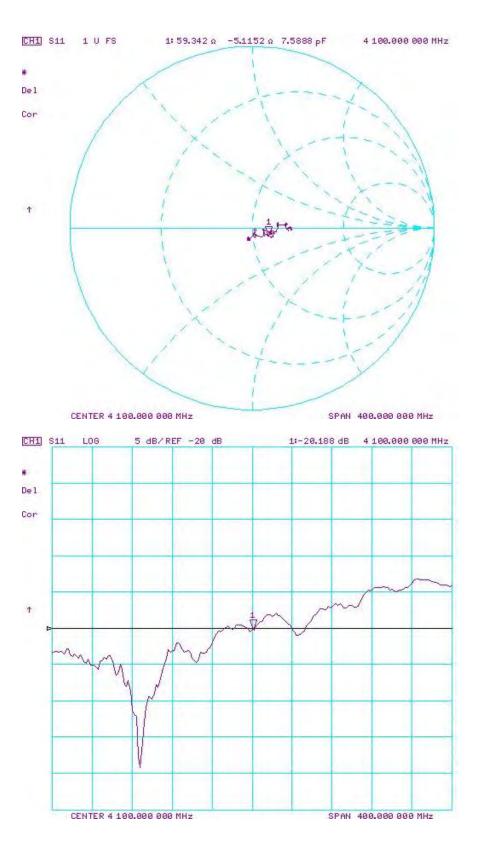
Frequ (M	uency Hz)	Calibration Date	Extension Date		Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real		Measured Impedance Head (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)
39	00	10/19/2023	10/19/2024	1.102	6.82	7.00	2.64%	2.38	2.45	2.94%	47.8	47.3	0.5	-6.8	-6.7	0.1	-22.8	-22.5	1.40%
41	00	10/19/2023	10/19/2024	1.102	6.67	6.81	2.10%	2.31	2.36	2.16%	59.5	59.3	0.2	-1.2	-5.1	3.9	-21.2	-20.2	4.80%

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Impedance & Return-Loss Measurement Plot for Head TSL



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