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





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

Accreditation No.: SCS 0108

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Element Client

Certificate No: D2600V2-1068\_Nov22

# CALIBRATION CERTIFICATE

Object D2600V2 - SN:1068

Calibration procedure(s) QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

12/6/22

Calibration date: November 15, 2022

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 7349	31-Dec-21 (No. EX3-7349_Dec21)	Dec-22
DAE4	SN: 601	31-Aug-22 (No. DAE4-601_Aug22)	Aug-23
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	2 M
Approved by:	Sven Kühn	Technical Manager	

Issued: November 16, 2022

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#### Glossary:

TSL

tissue simulating liquid

ConvF N/A

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

Calibration is Performed According to the Following Standards:

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

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

#### **Additional Documentation:**

c) DASY System Handbook

# Methods Applied and Interpretation of Parameters:

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

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

#### **Measurement Conditions**

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2600 MHz ± 1 MHz	

# **Head TSL parameters**

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.0	1.96 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.8 ± 6 %	2.03 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	2222	4

### SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	14.4 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	56.5 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.43 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.4 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	52.5	2.16 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.3 ± 6 %	2.19 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

# SAR result with Body TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	13.6 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	53.9 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.07 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	24.1 W/kg ± 16.5 % (k=2)

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

# Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.8 Ω - 5.9 jΩ
Return Loss	- 23.9 dB

### Antenna Parameters with Body TSL

Impedance, transformed to feed point	44.5 Ω - 5.0 jΩ	
Return Loss	- 22.1 dB	

# **General Antenna Parameters and Design**

Electrical Delay (one direction)	1.148 ns	
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

#### **Additional EUT Data**

Manufactured by	SPEAG
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# **DASY5 Validation Report for Head TSL**

Date: 15.11.2022

Test Laboratory: SPEAG, Zurich, Switzerland

# DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1068

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

Medium parameters used: f = 2600 MHz;  $\sigma = 2.03$  S/m;  $\varepsilon_r = 37.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

#### DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.84, 7.84, 7.84) @ 2600 MHz; Calibrated: 31.12.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 31.08.2022
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

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

Reference Value = 118.5 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 29.2 W/kg

SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.43 W/kg

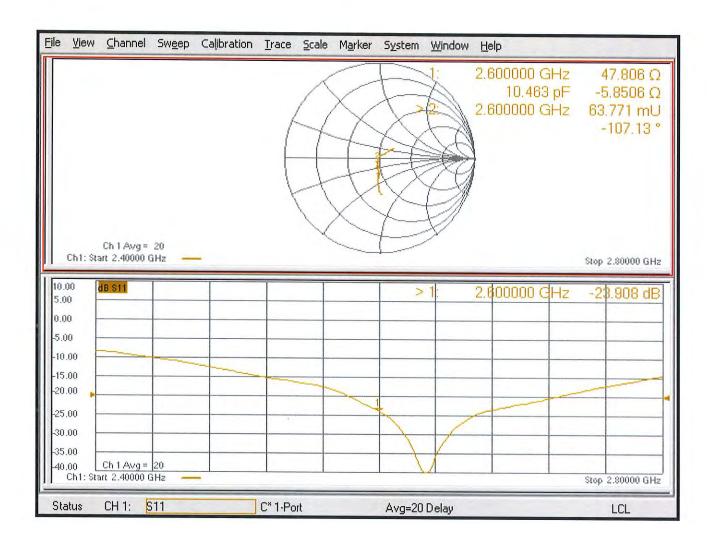
Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 49.4%

Maximum value of SAR (measured) = 24.5 W/kg



# Impedance Measurement Plot for Head TSL



# **DASY5 Validation Report for Body TSL**

Date: 15.11.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1068

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

Medium parameters used: f = 2600 MHz;  $\sigma = 2.19$  S/m;  $\varepsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

#### DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.91, 7.91, 7.91) @ 2600 MHz; Calibrated: 31.12.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 31.08.2022
- 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=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 107.9 V/m; Power Drift = -0.05 dB

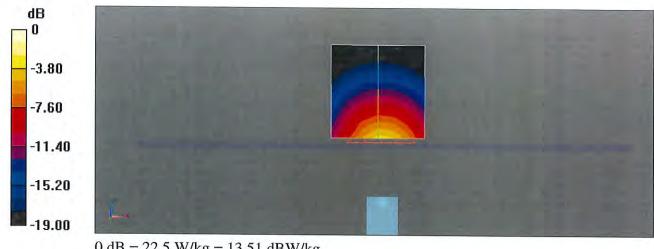
Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.07 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

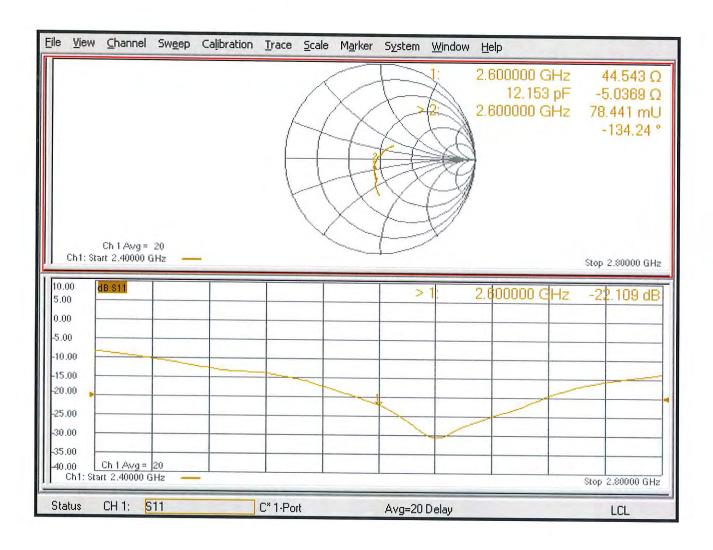
Ratio of SAR at M2 to SAR at M1 = 51.2%

Maximum value of SAR (measured) = 22.5 W/kg



0 dB = 22.5 W/kg = 13.51 dBW/kg

# Impedance Measurement Plot for Body TSL



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Client

Element

**Certificate No** 

EX-7406 Jul22

### **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7406

31/1 07-22-22

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v6, QA CAL-23.v5,

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date

July 18, 2022

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-21 (OCP-DAK3.5-1249_Oct21)	Oct-22
OCP DAK-12	SN: 1016	20-Oct-21 (OCP-DAK12-1016_Oct21)	Oct-22
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	13-Oct-21 (No. DAE4-660_Oct21)	Oct-22
Reference Probe ES3DV2	SN: 3013	27-Dec-21 (No. ES3-3013_Dec21)	Dec-22

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-20)	In house check: Oct-22

Name Function

Calibrated by Jeffrey Katzman Laboratory Technician

Approved by Niels Kuster Quality Manager

Issued: July 20, 2022

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#### Glossary

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

Certificate No: EX-7406\_Jul22

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

CF crest factor (1/duty\_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters

Polarization  $\varphi$   $\varphi$  rotation around probe axis

Polarization  $\dot{\vartheta}$  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 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 θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvE
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of
  power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
  calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 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).

July 18, 2022 EX3DV4 - SN:7406

# Parameters of Probe: EX3DV4 - SN:7406

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm $(\mu V/(V/m)^2)^A$	0.47	0.42	0.46	±10.1%
DCP (mV) <sup>B</sup>	100.0	100.9	100.0	±4.7%

# **Calibration Results for Modulation Response**

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√μV		dΒ	m۷	dev.	Unc <sup>E</sup>
			1	· ·			•		k = 2
0	CW	X	0.00	0.00	1.00	0.00	159.6	±2.2%	±4.7%
		Y	0.00	0.00	1.00		151.6		
		Z	0.00	0.00	1.00		150.9		
10352	Pulse Waveform (200Hz, 10%)	Х	20.00	90.81	20.45	10.00	60.0	±2.7%	±9.6%
	·	Y	5.51	72.87	13.15		60.0		
		Z	20.00	89.45	19.55		60.0		
10353	Pulse Waveform (200Hz, 20%)	Х	20.00	92.85	20.23	6.99	80.0	±1.7%	±9.6%
		Y	20.00	85.00	15.77		80.0		
		Z	20.00	91.44	19.24	Ì	80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	96.51	20.46	3.98	95.0	±1.1%	±9.6%
		Y	20.00	85.89	14.93		95.0		
	Current	Z	20.00	92.30	18.09	1	95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	97.81	19.61	2.22	120.0	±1.0%	±9.6%
		Y	20.00	84.41	13.12		120.0		
		Z	20.00	90.39	15.85		120.0		
10387	QPSK Waveform, 1 MHz	X	1.47	64.23	13.68	1.00	150.0	±3.3%	±9.6%
		Y	2.85	80.67	19.99	1	150.0	1	
		Z	1.54	65.57	14.29		150.0	]	
10388	QPSK Waveform, 10 MHz	X	1.94	65.86	14.44	0.00	150.0	±0.8%	±9.6%
		Y	2.18	71.17	17.59	1	150.0		
		Z	2.08	67.21	15.15		150.0	]	
10396	64-QAM Waveform, 100 kHz	X	2.40	66.82	17.00	3.01	150.0	±0.9%	±9.6%
	<u> </u>	Y	1.96	66.60	17.36	1	150.0		
		Z	2.58	68.72	17.91	1	150.0		
10399	64-QAM Waveform, 40 MHz	X	3.47	66.88	15.50	0.00	150.0	±2.3%	±9.6%
		Y	3.36	67.94	16.46	1	150.0	1	
		Z	3.42	66.78	15.52	1	150.0	1	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.68	64.96	15.10	0.00	150.0	±3.9%	±9.6%
		Y	4.48	66.34	16.08	1	150.0	1	
		Z	4.80	65.56	15.47	1	150.0	1	

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 E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6). <sup>8</sup> 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:7406

### **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 msV <sup>-2</sup>	T2 msV <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	T6
Х	44.8	336.66	35.84	11.00	0.18	5.09	0.00	0.41	1.01
у	21.1	159.56	36.45	12.89	0.00	5.06	0.00	0.19	1.00
Z	42.4	320.58	36.28	9.32	0.16	5.08	0.51	0.32	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	142.8°
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.

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EX3DV4 - SN:7406 July 18, 2022

# Parameters of Probe: EX3DV4 - SN:7406

### Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
750	41.9	0.89	10.13	10.13	10.13	0.37	1.05	±12.0%
835	41.5	0.90	9.86	9.86	9.86	0.25	1.22	±12.0%
1750	40.1	1.37	8.37	8.37	8.37	0.32	0.86	±12.0%
1900	40.0	1.40	8.03	8.03	8.03	0.35	0.86	±12.0%
2300	39.5	1.67	7.86	7.86	7.86	0.31	0.90	±12.0%
2450	39.2	1.80	7.72	7.72	7.72	0.33	0.90	±12.0%
2600	39.0	1.96	7.49	7.49	7.49	0.39	0.90	±12.0%
3500	37.9	2.91	7.06	7.06	7.06	0.35	1.35	±14.0%
3700	37.7	3.12	7.02	7.02	7.02	0.35	1.35	±14.0%
3900	37.5	3.32	6.74	6.74	6.74	0.40	1.60	±14.0%

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

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

F At frequencies up to 6 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

#### Parameters of Probe: EX3DV4 - SN:7406

#### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
750	55.5	0.96	9.78	9.78	9.78	0.39	0.80	±12.0%
835	55.2	0.97	9.48	9.48	9.48	0.42	0.80	±12.0%
1750	53.4	1.49	8.06	8.06	8.06	0.31	0.86	±12.0%
1900	53.3	1.52	7.73	7.73	7.73	0.37	0.86	±12.0%
2300	52.9	1.81	7.63	7.63	7.63	0.46	0.90	±12.0%
2450	52.7	1.95	7.57	7.57	7.57	0.41	0.90	±12.0%
2600	52.5	2.16	7.54	7.54	7.54	0.35	0.90	±12.0%
3500	51.3	3.31	6.74	6.74	6.74	0.40	1.35	±14.0%
3700	51.0	3.55	6.45	6.45	6.45	0.40	1.35	±14.0%
3900	50.8	3.78	6.38	6.38	6.38	0.40	1.70	±14.0%

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

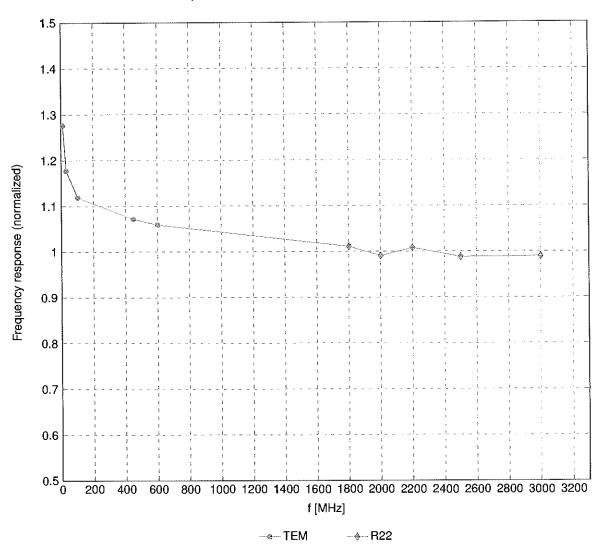
assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

F At frequencies up to 6 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>&</sup>lt;sup>G</sup> 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.

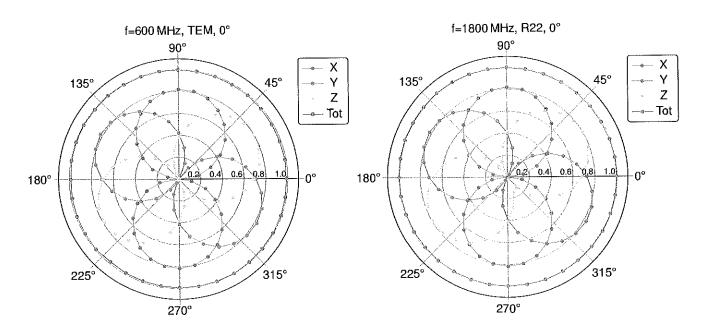
# Frequency Response of E-Field

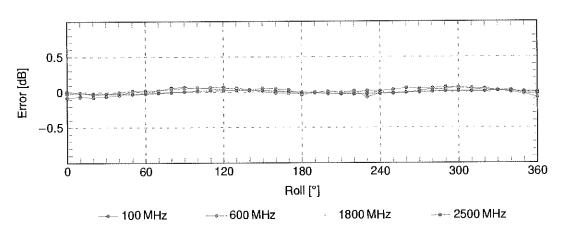
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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

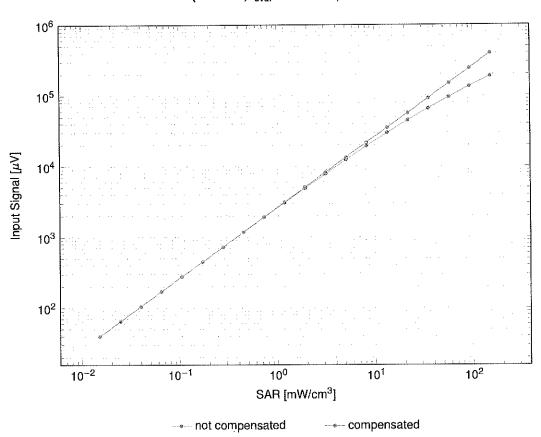


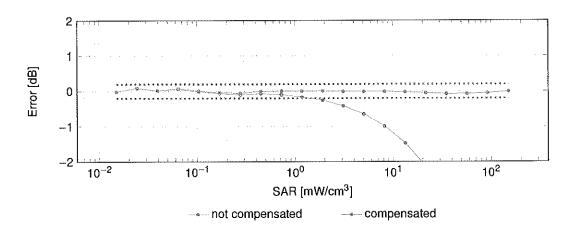


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

# Dynamic Range f(SAR<sub>head</sub>)

(TEM cell, f<sub>eval</sub> = 1900MHz)

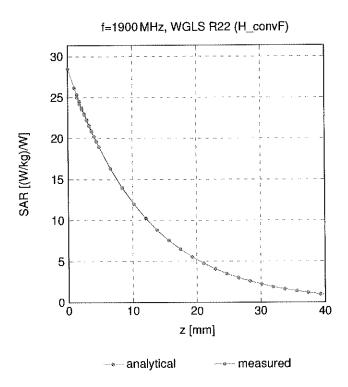




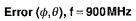
Uncertainty of Linearity Assessment: ±0.6% (k=2)

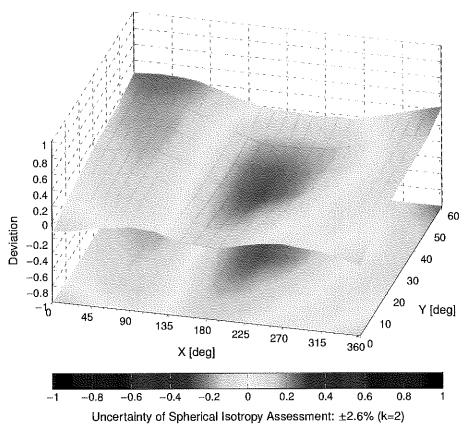
EX3DV4 - SN:7406 July 18, 2022

# **Conversion Factor Assessment**



# **Deviation from Isotropy in Liquid**





EX3DV4 - SN:7406 July 18, 2022

# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} \; k = 2$
0		CW	CW	0.00	±4.7
10010	CAA	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2,12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	CAC		GSM	9.55	±9.6
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104			LTE-TDD	9.97	±9.6
10105		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108			LTE-FDD	5.80	±9.6
10109			LTE-FDD	6.43	±9.6
10110			LTE-FDD	5.75	±9.6
10111			LTE-FDD	6.44	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9,6
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAG	IEEE 802,11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-FDD	6,49	±9.6
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FOD	6.56	±9.6
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 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	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	5.72	±9.6
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD LTE-FDD	6.52	±9.6
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 10-QAM)	LTE-FDD	6.50	±9.6
10179	AAE		LTE-FDD	6.50	±9.6
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)			±9.6
10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD LTE-FDD	5.72 6.52	±9.6
10182 10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 13MHz, 64-QAW)	LTE-FDD	5.73	±9.6
10185		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187		LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188		LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189		LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193		IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194		IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195		IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196		IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197		IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198		IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219		IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10219		IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10220		IEEE 802.11n (HT Mixed, 40.3 Mbps, 10-QAM)	WLAN	8.27	±9.6
10221		IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
	1 0/10				<u> </u>
10222	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TOD	9.23	±9.6
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TOD	10.13	±9.6
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6 ±9.6
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA PHS	3.96	±9.6
10277	CAD	PHS (QPSK) PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10278	CAD		PHS	12.18	±9.6
10279	CAG	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	CDMA2000	3.91	±9.6
10290	CAG	CDMA2000, RC1, SO55, Full Rate  CDMA2000, RC3, SO55, Full Rate	CDMA2000 CDMA2000	3.46	±9.6
10291	CAG		CDMA2000	3.39	±9.6
10292	CAG	CDMA2000, RC3, SO32, Fuli Rate CDMA2000, RC3, SO3, Fuli Rate	CDMA2000 CDMA2000	3.50	±9.6
10293 10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
		LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10297 10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.72	±9.6
<u> </u>	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10299		LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.60	±9.6
10300	CAC	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	±9.6
10301	CAC	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, POSC)	WiMAX	12.03	±9.6
10302			WIMAX	12.57	±9.6
10303		IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
10304		IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	15.24	±9.6
10305		IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC)	WIMAX	14,67	±9.6
10306		THE E SIZE THE WOMEN CASTS THEMS THAT AND MALIANT PHALA	: VVIIVIMA	107,07	. ±3.0

THE T	<b>D</b>	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
UID	Rev	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC)	WiMAX	14.49	±9.6
10307	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10308	AAB AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM,AMC 2x3)	WiMAX	14.58	±9.6
10309	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3	WiMAX	14.57	±9.6
10310	AAB	LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-FDD	6,06	±9.6
10311	AAD	IDEN 1:3	IDEN	10.51	±9.6
10313	AAD	IDEN 1:6	IDEN	13.48	±9.6
10314	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	±9.6
10315	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6
10316	AAA	IEEE 802.11g Wilf 12.4 GHz (CFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6
10317	AAA	Pulse Waveform (200 Hz, 10%)	Generic	10.00	±9.6
10352	AAA	Pulse Waveform (200 Hz, 20%)	Generic	6.99	±9.6
10353	AAA	Pulse Waveform (200 Hz, 40%)	Generic	3.98	±9.6
10354	AAA	Pulse Waveform (200 Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200 Hz, 80%)	Generic	0.97	±9.6
10336	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10387	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	AAD	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc dc)	WLAN	8.37	±9.6
10400	AAA	IEEE 802.11ac WiFt (20 MHz, 64-QAM, 99pc dc)	WLAN	8.60	±9.6
10401	AAA	IEEE 802.11ac WiF1 (40 MHz, 64-QAM, 99pc dc)	WLAN	8.53	±9.6
10402	AAA	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10403	AAB	CDMA2000 (1XEV-DO, Rev. 0)	GDMA2000	3.77	±9.6
10404	AAB	CDMA2000 (1XEV-DO, Rev. A)  CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5,22	±9.6
	<u> </u>	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10410	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10414		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	±9.6
10415	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6
10416	AAA		WLAN	8.23	±9.6
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.14	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.19	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.32	±9.6
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.47	±9.6
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.40	±9.6
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.41	±9.6
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.45	±9.6
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
		LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10430	AAB		LTE-FDD	8.38	±9.6
10431		LTE-FDD (OFDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAC	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
	AAG		LTE-TDD	7.82	±9.6
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±9.6
10448	AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.31	±9.6
10450	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.46	±9.6
10451	AAC	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10453		IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc dc)	WLAN	8.63	±9.6
10456	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
i	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10458		CDMA2000 (1xEV-DO, Rev. B, 2 carriers)  CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10459	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10460	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, 0L Sub)	LTE-TDD	8.30	±9.6
10462	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.56	±9.6
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 94-QAM, 0C Sub)	LTE-TDD	7.82	±9.6
		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)		8.57	±9.6
	AAC		LTE-TOD	7.82	
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TOD		±9.6
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TOD	8.57	±9.6
10472	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10473	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL, Sub)	LTE-TDD	8.47	±9.6
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Sub)	LTE-TDD	7.59	±9.6
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	±9.6
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL. Sub)	LTE-TDD	8.60	±9.6
10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	±9.6
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8,55	±9.6
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	±9.6
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	±9.6
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	±9.6
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	±9.6
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Sub)	LTE-TOD	7.72	±9.6
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	±9.6
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7,99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	±9.6
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	±9.6
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	±9.6
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	±9.6
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	±9.6
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	±9.6
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	±9.6
10520	AAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	±9.6
10521	AAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	±9.6
10522	AAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc dc)	WLAN	8.36	±9.6
10526	AAF	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc dc)	WLAN	8.42	±9.6
10527	AAF	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc)	WLAN	8.21	±9.6
10528	AAF	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc dc)	WLAN	8.36	±9.6
10529	AAF	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc dc)	WLAN	8.36	±9.6
10531	AAF	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc dc)	WLAN	8.43	±9.6
10532	AAF	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6
10533	AAE	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc dc)	WLAN	8.38	±9.6
10534	AAE	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc dc)	WLAN	8.45	±9.6
10535	AAE	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc dc)	WLAN	8.45	±9.6
10536	AAF	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc dc)	WLAN	8.32	±9.6
10537	AAF	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc)	WLAN	8.44	±9.6
10538	AAF	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc dc)	WLAN	8.54	±9.6
10540	AAA	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc dc)	WLAN	8.39	±9.6
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10541	AAA	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc dc)	WLAN	8.46	±9.6
10542	AAA	1EEE 802.11ac WiFi (40 MHz, MCS8, 99pc dc)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc dc)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc dc)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc dc)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc dc)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc dc)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc dc)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc dc)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc dc)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc dc)	WLAN	8.45	±9.6
10554	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc dc)	WLAN	8.48	±9.6
10555	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc dc)	WLAN	8.47	±9.6
10556	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc dc)	WLAN	8.50	±9.6
10557	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc dc)	WLAN	8.52	±9.6
10558	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc dc)	WLAN	8.61	±9.6
10560	AAC	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc dc)	WLAN	8.73	±9,6
10561	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc dc)	WLAN	8.56	±9.6
10562	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc dc)	WLAN	8.69	±9.6
10563	AAC	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc dc)	WLAN	8.77	±9.6
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	±9.6
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	±9.6
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	±9.6
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	±9.6
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	±9.6
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	±9.6
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	±9.6
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	±9.6 ±9.6
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2Mbps, 90pc dc)	WLAN WLAN	1.98	±9.6
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	±9.6
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	8.59	±9.6
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.60	±9.6
10576 10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)  IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6
10577	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 30pc dc)	WLAN	8.49	±9.6
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.36	±9.6
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6
10591	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc dc)	WLAN	8.63	±9.6
10592	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6
10593	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc dc)	WLAN	8.64	±9.6
10594	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
10595	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6
10596	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc dc)	WLAN	8.71	±9.6
10597	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc dc)	WLAN	8.72	±9.6
10598	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc dc)	WLAN	8.50	±9.6
10599	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc dc)	WLAN	8.79	±9.6
10600	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10601	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6
10602	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc)	WLAN	8.94	±9.6
10603	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc)	WLAN	9.03	±9.6
10604	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc)	WLAN	8.76	±9.6
10605	AAA	IEEE 802.11π (HT Mixed, 40 MHz, MCS6, 90pc dc)	WLAN	8.97	±9.6
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
10607	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc dc)	WLAN	8.64	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc dc)	WLAN	8.77	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc dc)	WLAN	8.57	±9.6
10610	AAC	IEEE 802,11ac WiFI (20 MHz, MCS3, 90pc dc)	WLAN	8.78	±9.6
10611	AAC	IEEE 802,11ac WiFi (20 MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc dc)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc dc)	WLAN	8.59	±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc dc)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc dc)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc dc)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc dc)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10622	AAC	IEEE 802.11ac WIFi (40 MHz, MCS6, 90pc dc)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc dc)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc dc)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10628	AAC	IEEE 802,11ac WiFi (80 MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc dc)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc dc)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc dc)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)	WL.AN	8.81	±9.6
10636	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10637	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6
10638	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc dc)	WLAN	8.86	±9.6
10639	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10640	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc dc)	WLAN	8.98	±9.6
10641	AAC	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc dc)	WLAN	9.06	±9.6
10642	AAC	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc dc)	WLAN	9.06	±9.6
10643	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc dc)	WLAN	8.89	±9.6
10644	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc dc)	WLAN	9.05	±9.6
10645	AAC	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)	WLAN	9.11	±9.6
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	±9.6
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	±9.6
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAC	Pulse Waveform (200 Hz, 10%)	Test	10.00	±9.6
10659	AAC	Pulse Waveform (200 Hz, 20%)	Test	6.99	±9.6
10660	AAC	Pulse Waveform (200 Hz, 40%)	Test	3.98	±9.6
10661	AAC	Pulse Waveform (200 Hz, 60%)	Test	2.22	±9.6
10662	AAC	Pulse Waveform (200 Hz, 80%)	Test	0.97	±9.6
10670		Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAD	IEEE 802.11ax (20 MHz, MCS0, 90pc dc)	WLAN	9.09	±9.6
10672	AAD	IEEE 802.11ax (20 MHz, MCS1, 90pc dc)	WLAN	8.57	±9.6
10673	AAD	IEEE 802.11ax (20 MHz, MCS2, 90pc dc)	WLAN	8.78	±9.6
10674	AAD	IEEE 802.11ax (20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
10675	AAD	IEEE 802.11ax (20 MHz, MCS4, 90pc dc)	WLAN	8.90	±9.6
10676	AAD	IEEE 802.11ax (20 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10677	AAD	IEEE 802.11ax (20 MHz, MCS6, 90pc dc)	WLAN	8.73	±9.6
10678	AAD	IEEE 802.11ax (20 MHz, MCS7, 90pc dc)	WLAN	8.78	±9.6
10679	AAD	IEEE 802.11ax (20 MHz, MCS8, 90pc dc)	WLAN	8.89	±9.6
10680	AAD	IEEE 802.11ax (20 MHz, MCS9, 90pc dc)	WLAN	8.80	±9.6
10681	AAG	IEEE 802.11ax (20 MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6
10682	AAF	IEEE 802.11ax (20 MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6
10683		IEEE 802.11ax (20 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
; 10000		IEEE 802.11ax (20 MHz, MCS1, 99pc dc)	WLAN	8.26	±9.6
10684	AAC				
Ł		IEEE 802.11ax (20 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10687	AAE	IEEE 802.11ax (20 MHz, MCS4, 99pc dc)	WLAN	8.45	±9.6
10688	AAE	IEEE 802.11ax (20 MHz, MCS5, 99pc dc)	WLAN	8.29	±9.6
10689	AAD	IEEE 802.11ax (20 MHz, MCS6, 99pc dc)	WLAN	8.55	±9.6
10690	AAE	IEEE 802.11ax (20 MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6
10691	AAB	IEEE 802.11ax (20 MHz, MCS8, 99pc dc)	WLAN	8.25	±9.6
10692	AAA	IEEE 802.11ax (20 MHz, MCS9, 99pc dc)	WLAN	8.29	±9.6
10693	AAA	IEEE 802.11ax (20 MHz, MCS10, 99pc dc)	WLAN	8.25	±9.6
10694	AAA	IEEE 802.11ax (20 MHz, MCS11, 99pc dc)	WLAN	8.57	±9.6
10695	AAA	IEEE 802.11ax (40 MHz, MCS0, 90pc dc)	WLAN	8.78	±9.6
10696	AAA	IEEE 802.11ax (40 MHz, MCS1, 90pc dc)	WLAN .	8.91	±9.6
10697	AAA	IEEE 802.11ax (40 MHz, MCS2, 90pc dc)	WLAN	8.61	±9.6
10698	AAA	IEEE 802.11ax (40 MHz, MCS3, 90pc dc)	WLAN	8.89	±9.6
10699	AAA	IEEE 802.11ax (40 MHz, MCS4, 90pc dc)	WLAN	8.82	±9.6
10700	AAA	IEEE 802.11ax (40 MHz, MCS5, 90pc dc)	WLAN	8.73	±9.6
10701	AAA	IEEE 802.11ax (40 MHz, MCS6, 90pc dc)	WLAN	8.86	±9.6
10702	AAA	IEEE 802.11ax (40 MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6
10703	AAA	IEEE 802.11ax (40 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10704	AAA	IEEE 802.11ax (40 MHz, MCS9, 90pc dc)	WLAN	8.56	±9.6
10705	AAA	IEEE 802.11ax (40 MHz, MCS10, 90pc dc)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc dc)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc dc)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc dc)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc dc)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc dc)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc dc)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc dc)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc dc)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc dc)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc dc)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc dc)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc dc)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc dc)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc dc)	WLAN WLAN	8.76	±9.6 ±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc dc) IEEE 802.11ax (80 MHz, MCS4, 90pc dc)	WLAN	8.55 8.70	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc dc)	WLAN	8.90	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc dc)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc dc)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc dc)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc dc)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc dc)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc dc)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc dc)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc dc)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc dc)	WLAN	8.33	±9,6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc dc)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc dc)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc dc)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc dc)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc dc)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc dc)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc dc)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc dc)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc dc)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc dc)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6
10758	AAC	IEEE 802,11ax (160 MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc dc)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc dc)	WLAN	8.51	±9.6
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 ±9.6
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02 8.02	±9.6
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.02	±9.6
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10773	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10774	AAC	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAC	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	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAC	5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9,6
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAC	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAC	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAC	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAC	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.95 7.82	±9.6
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)		+ - <u></u>	±9.6
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)  5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6 ±9.6
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10797	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.41	±9.6 ±9.6
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36 8.39	±9.6 ±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz)  5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8,41	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9,6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869 10870	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10871	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	5.86 5.75	±9.6
10871	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8,39	±9.6
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8,12	±9.6
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAD	5G NR (DFT-s-OFDM, 1 R8, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 30MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 40MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68 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	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9,6
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAD	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 TDD	5.84	±9,6
10914	AAD	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	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAB AAB		5G NR FR1 FDD	5.87	±9.6
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10952	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10953		HONG DI (OD OTEN	5G NR FR1 FDD	8.25	±9.6
10954	AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	8.23 8.42	±9.6
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD		±9.6
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14 8.31	±9.6 ±9.6
10958	AAB	5G NR DL (CP-OFDM, 1M 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10974		LISTA DDD	ULLA	2.23	±9.6
10974 10978	AAA	ULLA BDR	OCC.		
J	AAA AAA	ULLA HDR4	ULLA	7.02	±9.6
10978					
10978 10979	AAA	ULLA HDR4	ULLA	7.02	±9.6

EX3DV4 - SN:7406 July 18, 2022

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6

 $<sup>^{\</sup>mathsf{E}}$  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





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Client

Element

Certificate No

EX-7409 Jun22

#### **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7409

5N D7-08-2022

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v6, QA CAL-23.v5,

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date

June 16, 2022

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-21 (OCP-DAK3.5-1249_Oct21)	Oct-22
OCP DAK-12	SN: 1016	20-Oct-21 (OCP-DAK12-1016_Oct21)	Oct-22
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	13-Oct-21 (No. DAE4-660_Oct21)	Oct-22
Reference Probe ES3DV2	SN: 3013	27-Dec-21 (No. ES3-3013_Dec21)	Dec-22

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22

Name Function Signature
Calibrated by Aidonia Georgiadou Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: June 23, 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





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Accreditation No.: SCS 0108

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#### Glossary

**TSL** tissue simulating liquid NORMx,y,z sensitivity in free space ConvF sensitivity in TSL / NORMx,y,z DCP diode compression point

crest factor (1/duty\_cycle) of the RF signal CF A, B, C, D modulation dependent linearization parameters

Polarization  $\varphi$  $\varphi$  rotation around probe axis

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

normal to probe axis

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

#### 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  $\vartheta = 0$  ( $f \le 900\,\text{MHz}$  in TEM-cell;  $f > 1800\,\text{MHz}$ : 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
- 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
- DCPx, y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- · ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \le 800 \, \text{MHz}$ ) and inside waveguide using analytical field distributions based on power measurements for  $f > 800 \, \text{MHz}$ . The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  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).

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# Parameters of Probe: EX3DV4 - SN:7409

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc $(k=2)$
Norm $(\mu V/(V/m)^2)^A$	0.38	0.33	0.38	±10.1%
DCP (mV) B	103.0	100.0	100.0	±4.7%

#### **Calibration Results for Modulation Response**

UID	Communication System Name		Α	В	С	D	٧R	Max	Max
	•		dΒ	$dB\sqrt{\mu V}$		dΒ	m۷	dev.	Unc <sup>E</sup>
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	139.9	±1.7%	±4.7%
		Y	0.00	0.00	1.00		146.9		
		Z	0.00	0.00	1.00		135.2		
10352	Pulse Waveform (200Hz, 10%)	X	1.40	60.22	5.93	10.00	60.0	±3.2%	±9.6%
	, , , , , , , , , , , , , , , , , , ,	Y	1.89	63.19	8.68		60.0		
		Z	1.56	61.23	7.11		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	74.00	9.00	6.99	80.0	±2.7%	±9.6%
	•	Y	1.07	62.30	7.12		80.0		
		Z	0.80	60.00	5.42		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.21	146.28	1.04	3.98	95.0	±3.2%	±9.6%
		Y	0.38	60.00	4.77	ļ	95.0		
		Z	0.16	130.75	0.03		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	6.89	158.59	13.27	2.22	120.0	±1.7%	±9.6%
	,	Y	9.78	158.66	12.70		120.0	]	
		Z	8.99	158.97	15.12		120.0		
10387	QPSK Waveform, 1 MHz	Х	1.23	72.26	16.65	1.00	150.0	±3.8%	±9.6%
	·	Y	1.27	66.10	13.67	1	150.0		
		Z	1.38	66.74	14.38		150.0		
10388	QPSK Waveform, 10 MHz	X	1.72	68.54	16.00	0.00	150.0	±0.9%	±9.6%
		Y	1.77	66.10	14.63	1	150.0	1	
		Z	1.85	66.56	15.04	1	150.0		
10396	64-QAM Waveform, 100 kHz	X	1.60	64.21	16.48	3.01	150.0	±1.7%	±9.6%
		Y	2.04	67.18	17.54	1	150.0		
		Z	1.86	64.86	16.40		150.0	]	
10399	64-QAM Waveform, 40 MHz	X	3.05	66.93	15.75	0.00	150.0	±3.1%	±9.6%
		Y	3.17	66.18	15.20	1	150.0		İ
		Z	3.37	67.07	15.73		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	Х	4.26	66.66	15.97	0.00	150.0	±4.7%	±9.6%
	Commission of the Commission o	Y	4.41	65.26	15.26	1	150.0		
		Z	4.61	65.85	15.63	1	150.0		

Note: For details on UID parameters see Appendix

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

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

<sup>&</sup>lt;sup>B</sup> 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:7409

#### **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 msV <sup>-2</sup>	T2 msV <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
Χ	14.1	103.47	34.67	5.16	0.00	4.90	0.00	0.02	1.00
у	25.4	189.94	35.65	2.94	0.00	5.01	0.99	0.00	1.01
Z	27.5	205.81	35.57	4.28	0.00	4.95	0.00	0.16	1.01

#### Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-137.3°
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.

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# Parameters of Probe: EX3DV4 - SN:7409

# Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
13	55.0	0.75	18.54	18.54	18.54	0.00	1.00	±13.3%
750	41.9	0.89	9.88	9.88	9.88	0.58	0.84	±12.0%
835	41.5	0.9	9.58	9.58	9.58	0.46	0.91	±12.0%
1750	40.1	1.37	8.33	8.33	8.33	0.36	0.86	±12.0%
1900	40.0	1.4	8.13	8.13	8.13	0.34	0.86	±12.0%
2300	39.5	1.67	7.52	7.52	7.52	0.36	0.90	±12.0%
2450	39.2	1.8	7.21	7.21	7.21	0.38	0.90	±12.0%
2600	39.0	1.96	6.97	6.97	6.97	0.30	0.90	±12.0%

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

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR

F At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm 10\%$  if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to  $\pm 5\%$ . The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

# Parameters of Probe: EX3DV4 - SN:7409

# Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Aipha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc ( <i>k</i> = 2)
750	55.5	0.96	9.86	9.86	9.86	0.57	0.80	±12.0%
835	55.2	0.97	9.69	9.69	9.69	0.50	0.80	±12.0%
1750	53.4	1.49	8.01	8.01	8.01	0.37	0.86	±12.0%
1900	53.3	1.52	7.66	7.66	7.66	0.50	0.86	±12.0%
2300	52.9	1.81	7.47	7.47	7.47	0.36	0.90	±12.0%
2450	52.7	1.95	7.41	7.41	7.41	0.37	0.90	±12.0%
2600	52.5	2.16	7.23	7.23	7.23	0.37	0.90	±12.0%

<sup>&</sup>lt;sup>C</sup> 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.

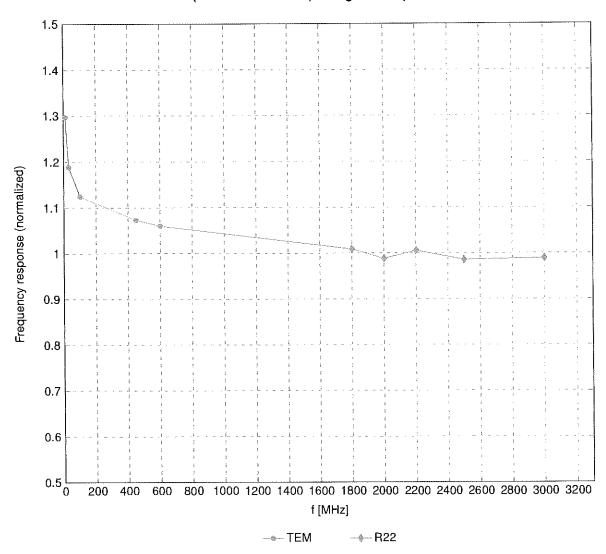
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assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$ 110 MHz. F At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm$ 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to  $\pm$ 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

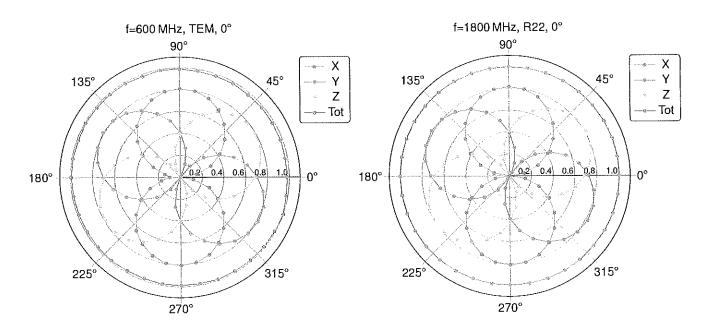
### Frequency Response of E-Field

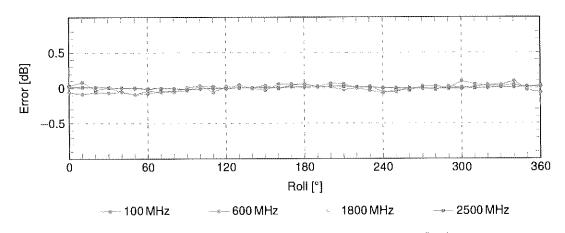
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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

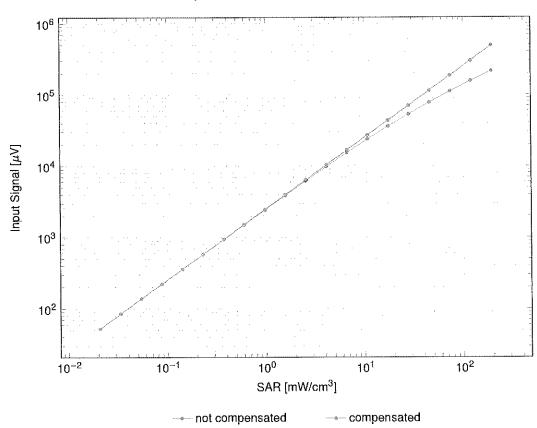


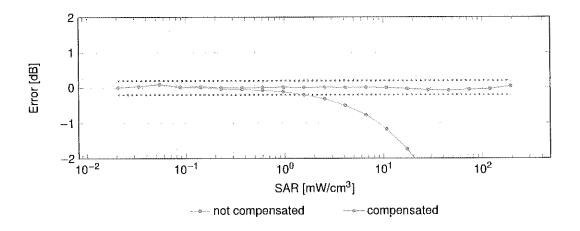


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

# Dynamic Range f(SAR<sub>head</sub>)

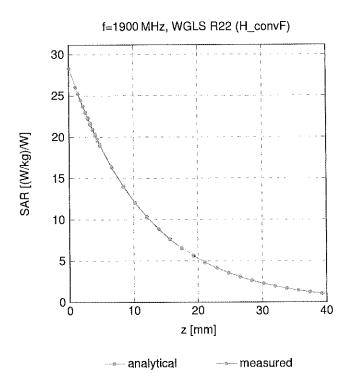
(TEM cell,  $f_{eval} = 1900\,\text{MHz}$ )



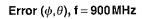


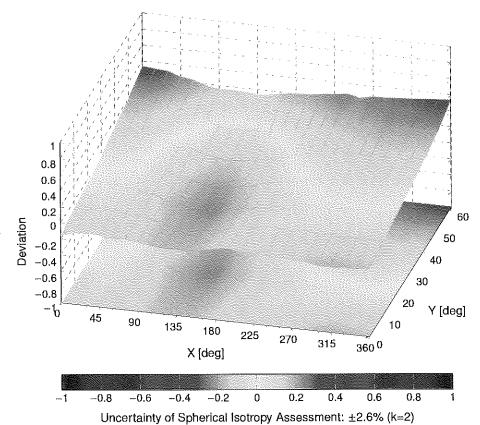
Uncertainty of Linearity Assessment: ±0.6% (k=2)

### **Conversion Factor Assessment**



### **Deviation from Isotropy in Liquid**





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# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
0		CW	CW	0.00	±4.7
10010	CAA	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6,56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10027	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
10029		IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10030	CAA		Bluetooth	1,87	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.16	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	7.74	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)			±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9,6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802,11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802,11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802,11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10003	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
		IEEE 802.11g WiFt 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, 16Mbps)	WLAN	10.30	±9.6
10074		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 WDps)	WLAN	10.77	±9.6
10075		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 WiDps)	WLAN	10.77	±9.6
10076		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	11.00	±9.6
10077					
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000 AMPS	3.97 4.77	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)			±9.6
10090		GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	
10097		UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098		UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099			GSM	9.55	±9.6
10100		LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAB		LTE-FDD	6.42	±9.6
10102			LTE-FDD	6.60	±9.6
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TOD	9.29	±9.6
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD	10.01	±9.6
10108	CAE		LTE-FDD	5.80	±9.6
10109			LTE-FDD	6.43	±9.6
10110			LTE-FDD	5.75	±9.8
10111			LTE-FDD	6.44	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAG	IEEE 802.11π (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	<u>+</u> 9,6
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9,28	±9.6
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6,52	±9.6
10183	CAG		LTE-FDD	6.50	±9.6
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 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	AAD	IEEE 802.11π (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222			WLAN	8.06	±9.6
10223		IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
		IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	<u>+</u> 9.6
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAD	LTE-TDD (SC-FDMA, 1 R8, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9,48	±9.6
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9,6
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9,98	±9.6
10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAD	PHS (QPSK)	PHS	11.81	±9.6
10278	CAD	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAG	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	CAG		CDMA2000	3.50	±9.6
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	CAC	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	CAB	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3CTRL)	WiMAX	12,57	±9.6
10303	CAB		WiMAX	12.52	±9.6
10304			WiMAX	11.86	±9.6
10305			WiMAX	15.24	±9.6
		IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC)	WiMAX	14.67	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10307	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC)	WiMAX	14.49	±9.6
10308	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM,AMC 2x3)	WiMAX	14.58	±9.6
10310	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3	WiMAX	14.57	±9.6
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAD	IDEN 1:3	IDEN	10.51	±9.6
10314	AAD	IDEN 1:6	IDEN	13.48	±9.6
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	±9.6
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9,6
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200 Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200 Hz, 20%)	Generic	6.99	±9,6
10354	AAA	Pulse Waveform (200 Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200 Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200 Hz, 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	AAD	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc dc)	WLAN	8.37	±9.6
10401	AAA	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc dc)	WLAN	8.60	±9.6
10402	AAA	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc dc)	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	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TOD	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 dc)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9,6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	±9.6
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAA	IEEE 802,11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAC	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc dc)	WLAN	8.63	±9.6
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9,6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	±9.6
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10403	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10466	1 220		7	7.00	±9.6
	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	
10466		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)  LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	7.82 8.32	±9.6
10466 10467	AAA				ļ
10466 10467 10468	AAA AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.32	±9.6

	David	Co	Group	PAR (dB)	Unc <sup>E</sup> k = 2
UID 10472	Rev AAC	Communication System Name  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10472	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7,82	±9.6
10473	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8,32	±9.6
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10473	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8,45	±9.6
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL. Sub)	LTE-TDD	8.47	±9.6
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	±9.6
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	±9.6
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	±9.6
10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	±9.6
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	±9.6
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	±9.6
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	±9.6
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	±9.6
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	±9.6
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9,6
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	±9.6
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	±9.6
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	±9.6
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	±9.6
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	±9.6
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	±9.6
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	±9.6
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	±9.6
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	±9.6
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	±9.6
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8,27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc dc)	WLAN	8.36	±9.6
10526	AAF	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc dc)	WLAN	8.42	±9.6
10527	AAF	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc)	WLAN	8.21	<u>±</u> 9.6
10528	AAF	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc dc)	WLAN	8,36	±9.6
10529		IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc dc)	WLAN	8.36	±9.6
10531	AAF	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc dc)	WLAN	8.43	±9.6
10532	AAF	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc dc)	WLAN	8,29	±9,6
10533	AAE	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc dc)	WLAN	8.38	±9.6
10534	AAE	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc dc)	WLAN	8.45	±9.6
10535	AAE	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc dc)	WLAN	8.45	±9,6
10536	AAF	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc dc)	WLAN	8.32	±9.6
10000		#EEE 000 44 - WEEE (40 MILE \$4000, 00 - 40)	WLAN	8.44	±9.6
10537	AAF	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc)			
		IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc)	WLAN	8.54	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10541	AAA	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc dc)	WLAN	8.46	±9.6
10542	AAA	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc dc)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc dc)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc dc)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc dc)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc dc)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc dc)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc dc)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc dc)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc dc)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc dc)	WLAN	8.45	±9.6
10554	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc dc)	WLAN	8,48	±9.6
10555	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc dc)	WLAN	8.47	±9.6
10556	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc dc)	WLAN	8.50	±9.6
10557	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc dc)	WLAN	8,52	±9.6
10558	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc dc)	WLAN	8.61	±9.6
10560	AAC	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc dc)	WLAN	8.73	±9.6
10561	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc dc)	WLAN	8.56	±9.6
10562	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc dc)	WLAN	8.69	±9.6
10563	AAC	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc dc)	WLAN	8.77	±9.6
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	±9.6
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	±9.6
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	±9.6
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	±9.6
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	±9.6
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	±9.6
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	±9.6
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	±9.6
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	±9.6
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	±9.6
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1,98	±9.6
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6
10588	AAA	IEEE 802.11a/h WIFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6
10589	AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6
10591	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc dc)	WLAN	8.63	±9.6
10592	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6
10593	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc dc)	WLAN	8.64	±9.6
10594	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
10595	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6
10596	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc dc)	WLAN	8.71	±9.6
10597	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc dc)	WLAN	8.72	±9.6
10598	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc dc)	WLAN	8.50	±9.6
10599	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc dc)	WLAN	8.79	±9.6
10600	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10601	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6
10602	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc)	WLAN	8.94	±9.6
10603	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc)	WLAN	9.03	±9.6
10604	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc)	WLAN	8.76	±9.6
10605	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc dc)	WLAN	8.97	±9.6
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
10607	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc dc)	WLAN	8.64	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc dc)	WLAN	8.77	±9.6

1966   AAC	UID	Dov. 1	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
1961   ACC   LEEF BOZ 11 to WIFT (20MHZ, MCSS), 90pp db;   WILAN   8,70   459,6   1961   ACC   LEEF BOZ 11 to WIFT (20MHZ, MCSS), 90pp db;   WILAN   8,77   459,6   1961   ACC   LEEF BOZ 11 to WIFT (20MHZ, MCSS, 90pp db)   WILAN   8,94   49,6   1961   ACC   LEEF BOZ 11 to WIFT (20MHZ, MCSS, 90pp db)   WILAN   8,94   49,6   1961   ACC   LEEF BOZ 11 to WIFT (20MHZ, MCSS, 90pp db)   WILAN   8,94   49,6   1961   ACC   LEEF BOZ 11 to WIFT (20MHZ, MCSS, 90pp db)   WILAN   8,94   49,6   1961   ACC   LEEF BOZ 11 to WIFT (20MHZ, MCSS, 90pp db)   WILAN   8,82   49,6   1961   ACC   LEEF BOZ 11 to WIFT (40MHZ, MCSS, 90pp db)   WILAN   8,82   49,6   1961   ACC   LEEF BOZ 11 to WIFT (40MHZ, MCSS, 90pp db)   WILAN   8,81   49,6   1961   ACC   LEEF BOZ 11 to WIFT (40MHZ, MCSS, 90pp db)   WILAN   8,81   49,6   1961   ACC   LEEF BOZ 11 to WIFT (40MHZ, MCSS, 90pp db)   WILAN   8,81   49,6   1961   ACC   LEEF BOZ 11 to WIFT (40MHZ, MCSS, 90pp db)   WILAN   8,88   49,8   1962   ACC   LEEF BOZ 11 to WIFT (40MHZ, MCSS, 90pp db)   WILAN   8,88   49,8		Rev				
1961   AAC   IEEE 802.11 fac WIFI (20MHz, MCSES, 80pc de)   WLAN   8.70   19.8						
16612   AAC						
10613   AAC   IEEE 80211ta WRIT (20MHz, MCSS, 90pc do)   WLAN   8.94   ±9.6   10615   AAC   IEEE 80211ta WRIT (20MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10615   AAC   IEEE 80211ta WRIT (20MHz, MCSS, 90pc do)   WLAN   8.82   ±9.6   10615   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.82   ±9.6   10616   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.81   ±9.6   10616   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.81   ±9.6   10618   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.85   ±9.6   10620   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10620   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10620   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.87   ±9.6   10620   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.87   ±9.6   10620   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.87   ±9.6   10620   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.87   ±9.6   10622   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10622   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10623   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10624   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10626   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10626   AAC   IEEE 80211ta WRIT (40MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10626   AAC   IEEE 80211ta WRIT (60MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10626   AAC   IEEE 80211ta WRIT (60MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10626   AAC   IEEE 80211ta WRIT (60MHz, MCSS, 90pc do)   WLAN   8.89   ±9.6   10626   AAC   IEEE 80211ta WRIT (60MHz, MCSS, 90pc do)   WLAN   8.65   ±9.6   10626   AAC   IEEE 80211ta WRIT (60MHz, MCSS, 90pc do)   WLAN   8.65   ±9.6   10626   AAC   IEEE 80211ta WRIT (60MHz, MCSS, 90pc do)   WLAN   8.65   ±9.6   10626   AAC   IEEE 80211ta WRIT (60MHz, MCSS, 90pc do)   WLAN   8.67   ±9.6   10626   AAC   IE	ļ					
10015  AAC   IEEE 802.11 tac WIFF (20 MFW, MCSF, 90pc do)   WLAN   8.99   19.6   10015  AAC   IEEE 802.11 tac WIFF (20 MFW, MCSB, 90pc do)   WLAN   8.82   19.6   10017   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.92   19.6   10017   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.92   19.6   10017   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.92   19.6   10017   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.92   19.6   10017   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.92   19.6   10020   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.87   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.67   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.68   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.68   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.68   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.98   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.98   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.98   19.6   10022   AAC   IEEE 802.11 tac WIFF (40 MFW, MCSF, 90pc do)   WLAN   8.98   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.98   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.08   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.09   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.07   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.07   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.07   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.07   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.07   19.6   10022   AAC   IEEE 802.11 tac WIFF (80 MFW, MCSF, 90pc do)   WLAN   8.07   19.				WLAN	8.94	±9.6
10015   AAC   IEEE 802.11a (IEEE 802.11a (	1				8.59	±9.6
10617   AAC	Li			WLAN	8.82	±9.6
10616   AAC     EEE 80211ac WiFl (60 MHz, MCS2 90pc do)   WLAN   8.81   ±9.6   19.8				WLAN	8.82	±9.6
19616   AAC	L			WLAN	8.81	±9.6
10620   AAC   REES 80211ac WFF (60 MHz, MCSS, 90pc dc)   WLAN   8.487   49.6	ļ			WLAN	8.58	±9.6
10622 AAC   LEEE 802.11ac WFF (60 MHz, MCSS, 90pc dc)   WLAN   8.77   4.9.6			IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6
10623   AAC   IEEE 802.11ac WIF1 (40 MHz, MCSR, 90pc dc)	10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc dc)	WLAN	8.87	±9.6
10623   AAC   IEEE 802.11ac WFF (40 MHz, MCS7, 90pc dc)   WLAN   8.96   £9.6   10625   AAC   IEEE 802.11ac WFF (40 MHz, MCS9, 90pc dc)   WLAN   8.96   £9.6   10626   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.83   £9.6   10626   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.83   £9.6   10627   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.83   £9.6   10627   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.81   £9.6   10628   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.71   £9.6   10629   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.71   £9.6   10629   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.72   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.74   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.74   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.74   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.81   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.83   £9.8   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.83   £9.8   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.81   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.81   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.81   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.81   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.81   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.89   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.89   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.89   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.89   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.89   £9.6   10633   AAC   IEEE 802.11ac WFF (60 MHz, MCS9, 90pc dc)   WLAN   8.89	10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10624   AAC   IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc dc)   WLAN   8.96   4.9.6   10625   AAC   IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc dc)   WLAN   8.98   4.9.6   10626   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.83   4.9.6   10627   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.84   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.71   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.71   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.85   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.84   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.81   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.81   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.81   4.9.6   10628   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.83   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc dc)   WLAN   8.81   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.81   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.81   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.81   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.83   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.83   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.83   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.85   4.9.6   10638   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.86   4.9.6   10640   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.86   4.9.6   10640   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   8.89   4.9.6   10640   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   9.06   4.9.6   10640   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)   WLAN   9.06   4.9.6   10640   AAC   IEEE	10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc dc)	WLAN	8.68	±9.6
10626   AAC   IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc dc)	10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
T0626	10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc dc)	WLAN	8.96	
10626   AAC   IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc)   WILAN   8.88   ±9.6   10628   AAC   IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc)   WILAN   8.71   ±9.6   10629   AAC   IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)   WILAN   8.72   ±9.6   10630   AAC   IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc dc)   WILAN   8.72   ±9.6   10630   AAC   IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)   WILAN   8.72   ±9.6   10632   AAC   IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)   WILAN   8.74   ±9.6   10632   AAC   IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)   WILAN   8.74   ±9.6   10633   AAC   IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)   WILAN   8.83   ±9.6   10633   AAC   IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)   WILAN   8.80   ±9.8   10633   AAC   IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)   WILAN   8.80   ±9.8   10636   AAC   IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)   WILAN   8.81   ±9.6   10636   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   8.83   ±9.6   10636   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   8.85   ±9.6   10639   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   8.79   ±9.6   10639   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   8.86   ±9.8   10639   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   8.85   ±9.6   10640   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   8.85   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   8.96   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   9.06   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   9.06   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   9.06   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   9.06   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   9.06   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   9.06   ±9.6   10644   AAC   IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)   WILAN   9.06   ±9.6   10644	10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc dc)		8.96	±9.6
TOB28	10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10628	10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10830	10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6
10631   AAC	10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10632	10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc dc)	WLAN		
10633   AAC	10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)	1	8,81	L
10634	10632	L				
10635   AAC	10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc dc)		8.83	
10636   AAC	10634	AAC		3	8.80	
10637   AAC	10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)	WLAN	8.81	
10638	10636	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc dc)			
10639   AAC	10637					
10640   AAC	10638	L	1			
10641   AAC   IEEE 802.11ac WiFI (160 MHz, MCS5, 90pc dc)   WLAN   9.06   ±9.6   10642   AAC   IEEE 802.11ac WiFI (160 MHz, MCS6, 90pc dc)   WLAN   9.06   ±9.6   10643   AAC   IEEE 802.11ac WiFI (160 MHz, MCS7, 90pc dc)   WLAN   8.89   ±9.6   10644   AAC   IEEE 802.11ac WiFI (160 MHz, MCS8, 90pc dc)   WLAN   9.05   ±9.6   10645   AAC   IEEE 802.11ac WiFI (160 MHz, MCS9, 90pc dc)   WLAN   9.11   ±9.6   10646   AAC   IEEE 802.11ac WiFI (160 MHz, MCS9, 90pc dc)   WLAN   9.11   ±9.6   10646   AAC   IEEE 70D (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.98   ±9.6   10647   AAC   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.99   ±9.6   10647   AAC   LTE-TDD (OFDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.99   ±9.6   10652   AAC   LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6   10653   AAC   LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6   10654   AAC   LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10655   AAC   LTE-TDD (OFDMA, 2 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10656   AAC   LTE-TDD (OFDMA, 2 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10656   AAC   Pulse Waveform (200 Hz, 20%)   Test   10.00   ±9.6   10660   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6   10660   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6   10661   AAC   Pulse Waveform (200 Hz, 80%)   Test   0.97   ±9.6   10673   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6   10673   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6   10673   AAC   IEEE 802.11ax (20 MHz, MCS9, 90pc dc)   WLAN   8.77   ±9.6   10673   AAD   IEEE 802.11ax (20 MHz, MCS9, 90pc dc)   WLAN   8.79   ±9.6   10674   AAD   IEEE 802.11ax (20 MHz, MCS9, 90pc dc)   WLAN   8.79   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS9, 90pc dc)   WLAN   8.79   ±9.6   10678   AAD   IEEE 802.11ax (20 MHz, MCS9, 90pc dc)   WLAN   8.89   ±9.6   10682   AAF   IEEE 802.11ax (20 MHz, MCS9, 90pc dc)   WLAN   8.89   ±9.6   10688   AAC			IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc dc)			
10642   AAC   IEEE 802.11ac WiFI (160 MHz, MCS6, 90pc dc)   WLAN   9.06   ±9.6   10643   AAC   IEEE 802.11ac WiFI (160 MHz, MCS7, 90pc dc)   WLAN   8.89   ±9.6   10644   AAC   IEEE 802.11ac WiFI (160 MHz, MCS8, 90pc dc)   WLAN   9.05   ±9.6   10645   AAC   IEEE 802.11ac WiFI (160 MHz, MCS9, 90pc dc)   WLAN   9.11   ±9.6   10646   AAC   IEEE 802.11ac WiFI (160 MHz, MCS9, 90pc dc)   WLAN   9.11   ±9.6   10648   AAC   LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.96   ±9.6   10647   AAC   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.96   ±9.6   10648   AAC   CDMA2000 (1x Advanced)   CDMA2000 (3.45   ±9.6   10652   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6   10653   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.42   ±9.6   10654   AAC   LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10655   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6   10658   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6   10658   AAC   Pulse Waveform (200 Hz, 20%)   Test   10.00   ±9.8   10659   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6   10661   AAC   Pulse Waveform (200 Hz, 60%)   Test   6.99   ±9.6   10661   AAC   Pulse Waveform (200 Hz, 60%)   Test   0.97   ±9.6   10671   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   9.09   ±9.6   10672   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.57   ±9.6   10673   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.77   ±9.6   10679   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.77   ±9.6   10679   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.79   ±9.6   10679   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.79   ±9.6   10679   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.79   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.80   ±9.6   10683   AAC   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.80   ±9.6   10683   AAC   IEEE		1				
10643   AAC   IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc dc)   WLAN   8.89   ±9.6   10644   AAC   IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc dc)   WLAN   9.05   ±9.6   10645   AAC   IEEE 802.11ac WIFI (160 MHz, MCS9, 90pc dc)   WLAN   9.11   ±9.6   10646   AAC   ITE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)   ITE-TDD   11.96   ±9.6   10647   AAC   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.96   ±9.6   10647   AAC   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.96   ±9.6   10652   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6   10653   AAC   LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6   10653   AAC   LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10655   AAC   LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10655   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6   10658   AAC   Pulse Waveform (200 Hz, 20%)   Test   10.00   ±9.6   10.650   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6   10.650   AAC   Pulse Waveform (200 Hz, 20%)   Test   3.98   ±9.6   10.660   AAC   Pulse Waveform (200 Hz, 20%)   Test   3.98   ±9.6   10.660   AAC   Pulse Waveform (200 Hz, 80%)   Test   3.98   ±9.6   10.670   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6   10.671   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   9.09   ±9.6   10.672   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   8.74   ±9.6   10.675   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.74   ±9.6   10.676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.77   ±9.6   10.676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10.678   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10.679   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10.679   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.80   ±9.6   10.688   AAC   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.83   ±9.6   10.688		1				
10644   AAC   IEEE 802.11ac WIFT (160 MHz, MCS8, 90pc dc)						<u> </u>
10645         AAC         IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)         WLAN         9.11         ±9.6           10846         AAC         LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Sub=2,7)         LTE-TDD         11.96         ±9.6           10647         AAC         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)         LTE-TDD         11.96         ±9.6           10648         AAC         CDMA2000 (1x Advanced)         CDMA2000         3.45         ±9.6           10652         AAC         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ±9.6           10653         AAC         LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ±9.6           10654         AAC         LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.21         ±9.6           10655         AAC         LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.21         ±9.6           10658         AAC         LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.21         ±9.6           10659         AAC         Pulse Waveform (200 Hz, 20%)         Test         6.99         ±9.6           10660         AAC         Pulse Waveform (200 Hz, 20%)         Test	ļ					
10646   AAC   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.96   ±9.6   10647   AAC   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.96   ±9.6   10652   AAC   CDMA2000 (1x Advanced)   CDMA2000   3.45   ±9.6   10652   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6   10653   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.42   ±9.6   10654   AAC   LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10655   AAC   LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10655   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6   10658   AAC   Pulse Waveform (200 Hz, 10%)   Test   10.00   ±9.8   10658   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6   10660   AAC   Pulse Waveform (200 Hz, 40%)   Test   3.98   ±9.6   10661   AAC   Pulse Waveform (200 Hz, 80%)   Test   0.97   ±9.6   10662   AAC   Pulse Waveform (200 Hz, 80%)   Test   0.97   ±9.6   10670   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6   10671   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   9.09   ±9.6   10673   AAD   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.57   ±9.6   10674   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.78   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.78   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.79   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.79   ±9.6   10678   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.79   ±9.6   10678   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.89   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.89   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.89   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.80	L		<u> </u>			<b></b>
10647   AAC   LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)   LTE-TDD   11.96   ±9.6     10648   AAC   CDMA2000 (1x Advanced)   CDMA2000   3.45   ±9.6     10652   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6     10653   AAC   LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.42   ±9.6     10654   AAC   LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6     10655   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6     10656   AAC   Pulse Waveform (200 Hz, 10%)   Test   10.00   ±9.8     10659   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6     10660   AAC   Pulse Waveform (200 Hz, 20%)   Test   3.98   ±9.6     10661   AAC   Pulse Waveform (200 Hz, 60%)   Test   3.98   ±9.6     10662   AAC   Pulse Waveform (200 Hz, 80%)   Test   0.97   ±9.6     10670   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6     10671   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   9.09   ±9.6     10672   AAD   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.57   ±9.6     10673   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.78   ±9.6     10676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6     10677   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.70   ±9.6     10676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.70   ±9.6     10677   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.70   ±9.6     10678   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.70   ±9.6     10679   AAD   IEEE 802.11ax (20 MHz, MCS5, 90pc dc)   WLAN   8.73   ±9.6     10679   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.70   ±9.6     10679   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.70   ±9.6     10680   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.70   ±9.6     10681   AAG   IEEE 802.11ax (20 MHz, MCS6, 90pc dc)   WLAN   8.80   ±9.6     10682   AAF   IEEE 802.11ax (20 MHz, MCS9, 90pc dc)   WLAN   8.80   ±9.6     10683   AAC   IEEE 802.11ax (20 MHz, MCS9,						
10648 AAC   CDMA2000 (1x Advanced)   CDMA2000   3.45   ±9.6   10652   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6   10653   AAC   LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.42   ±9.6   10654   AAC   LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.96   ±9.6   10655   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6   10658   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6   10658   AAC   Pulse Waveform (200 Hz, 10%)   Test   10.00   ±9.6   10669   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6   10660   AAC   Pulse Waveform (200 Hz, 40%)   Test   3.98   ±9.6   10661   AAC   Pulse Waveform (200 Hz, 60%)   Test   2.22   ±9.6   10662   AAC   Pulse Waveform (200 Hz, 80%)   Test   0.97   ±9.6   10662   AAC   Pulse Waveform (200 Hz, 80%)   Test   0.97   ±9.6   10670   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6   10671   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   9.09   ±9.6   10672   AAD   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.57   ±9.6   10673   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.74   ±9.6   10675   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.74   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.74   ±9.6   10676   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.77   ±9.6   10677   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10678   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10679   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.79   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.89   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.89   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.89   ±9.6   10680   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.80   ±9.6   10680   AAD   IEEE 802.11ax (20 M		<u> </u>				<u></u>
10652   AAC   LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   6.91   ±9.6	ļ					
10653         AAC         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ±9.6           10654         AAC         LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.96         ±9.6           10655         AAC         LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.21         ±9.6           10658         AAC         Pulse Waveform (200 Hz, 10%)         Test         10.00         ±9.6           10659         AAC         Pulse Waveform (200 Hz, 20%)         Test         6.99         ±9.6           10660         AAC         Pulse Waveform (200 Hz, 40%)         Test         3.98         ±9.6           10661         AAC         Pulse Waveform (200 Hz, 40%)         Test         2.22         ±9.6           10662         AAC         Pulse Waveform (200 Hz, 80%)         Test         0.97         ±9.6           10662         AAC         Pulse Waveform (200 Hz, 80%)         Test         0.97         ±9.6           10670         AAC         Bluse tooth Low Energy         Bluetooth         2.19         ±9.6           10671         AAD         IEEE 802.11ax (20 MHz, MCS0, 90pc dc)         WLAN         8.57         ±9.6           10673			1			
10654         AAC         LTE-TDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.96         ±9.6           10655         AAC         LTE-TDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.21         ±9.6           10658         AAC         Pulse Waveform (200 Hz, 10%)         Test         10.00         ±9.6           10659         AAC         Pulse Waveform (200 Hz, 20%)         Test         6.99         ±9.6           10660         AAC         Pulse Waveform (200 Hz, 40%)         Test         3.98         ±9.6           10661         AAC         Pulse Waveform (200 Hz, 80%)         Test         2.22         ±9.6           10662         AAC         Pulse Waveform (200 Hz, 80%)         Test         0.97         ±9.6           10670         AAC         Bluetooth Low Energy         Bluetooth         2.19         ±9.6           10671         AAD         IEEE 802.11ax (20 MHz, MCS0, 90pc dc)         WLAN         9.09         ±9.6           10672         AAD         IEEE 802.11ax (20 MHz, MCS1, 90pc dc)         WLAN         8.78         ±9.6           10673         AAD         IEEE 802.11ax (20 MHz, MCS3, 90pc dc)         WLAN         8.78         ±9.6           10674         AAD			, , , , , , , , , , , , , , , , , , , ,			
10655   AAC   LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   LTE-TDD   7.21   ±9.6     10658   AAC   Pulse Waveform (200 Hz, 10%)   Test   10.00   ±9.6     10669   AAC   Pulse Waveform (200 Hz, 20%)   Test   6.99   ±9.6     10660   AAC   Pulse Waveform (200 Hz, 40%)   Test   3.98   ±9.6     10661   AAC   Pulse Waveform (200 Hz, 60%)   Test   2.22   ±9.6     10662   AAC   Pulse Waveform (200 Hz, 80%)   Test   0.97   ±9.6     10670   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6     10671   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   9.09   ±9.6     10672   AAD   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.57   ±9.6     10673   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.78   ±9.6     10674   AAD   IEEE 802.11ax (20 MHz, MCS3, 90pc dc)   WLAN   8.74   ±9.6     10675   AAD   IEEE 802.11ax (20 MHz, MCS4, 90pc dc)   WLAN   8.74   ±9.6     10676   AAD   IEEE 802.11ax (20 MHz, MCS5, 90pc dc)   WLAN   8.70   ±9.6     10677   AAD   IEEE 802.11ax (20 MHz, MCS5, 90pc dc)   WLAN   8.70   ±9.6     10678   AAD   IEEE 802.11ax (20 MHz, MCS5, 90pc dc)   WLAN   8.70   ±9.6     10679   AAD   IEEE 802.11ax (20 MHz, MCS5, 90pc dc)   WLAN   8.73   ±9.6     10679   AAD   IEEE 802.11ax (20 MHz, MCS6, 90pc dc)   WLAN   8.78   ±9.6     10680   AAD   IEEE 802.11ax (20 MHz, MCS6, 90pc dc)   WLAN   8.78   ±9.6     10681   AAG   IEEE 802.11ax (20 MHz, MCS8, 90pc dc)   WLAN   8.80   ±9.6     10682   AAF   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.80   ±9.6     10684   AAC   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.83   ±9.6     10685   AAC   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.83   ±9.6     10685   AAC   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.80   ±9.6     10684   AAC   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.83   ±9.6     10685   AAC   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.84   ±9.6     10685   AAC   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.83   ±9.6     10685   AAC   IEEE 802.11ax (20 MHz, MCS1, 90pc dc)   WLAN   8.83   ±9.6     10685		L				
Test   10.00   ±9.6						
10659         AAC         Pulse Waveform (200 Hz, 20%)         Test         6.99         ±9.6           10660         AAC         Pulse Waveform (200 Hz, 40%)         Test         3.98         ±9.6           10661         AAC         Pulse Waveform (200 Hz, 60%)         Test         2.22         ±9.6           10662         AAC         Pulse Waveform (200 Hz, 80%)         Test         0.97         ±9.6           10670         AAC         Bluetooth Low Energy         Bluetooth         2.19         ±9.6           10671         AAD         IEEE 802.11ax (20 MHz, MCS0, 90pc dc)         WLAN         9.09         ±9.6           10671         AAD         IEEE 802.11ax (20 MHz, MCS1, 90pc dc)         WLAN         8.57         ±9.6           10672         AAD         IEEE 802.11ax (20 MHz, MCS3, 90pc dc)         WLAN         8.74         ±9.6           10673         AAD         IEEE 802.11ax (20 MHz, MCS3, 90pc dc)         WLAN         8.74         ±9.6           10675         AAD         IEEE 802.11ax (20 MHz, MCS4, 90pc dc)         WLAN         8.74         ±9.6           10676         AAD         IEEE 802.11ax (20 MHz, MCS6, 90pc dc)         WLAN         8.77         ±9.6           10677         AAD         IEE						
10660 AAC   Pulse Waveform (200 Hz, 40%)   Test   3.98						
10661         AAC         Pulse Waveform (200 Hz, 60%)         Test         2.22         ±9.6           10662         AAC         Pulse Waveform (200 Hz, 80%)         Test         0.97         ±9.6           10670         AAC         Bluetooth Low Energy         Bluetooth         2.19         ±9.6           10671         AAD         IEEE 802.11ax (20 MHz, MCS0, 90pc dc)         WLAN         9.09         ±9.6           10672         AAD         IEEE 802.11ax (20 MHz, MCS1, 90pc dc)         WLAN         8.57         ±9.6           10673         AAD         IEEE 802.11ax (20 MHz, MCS2, 90pc dc)         WLAN         8.78         ±9.6           10674         AAD         IEEE 802.11ax (20 MHz, MCS3, 90pc dc)         WLAN         8.74         ±9.6           10675         AAD         IEEE 802.11ax (20 MHz, MCS5, 90pc dc)         WLAN         8.77         ±9.6           10676         AAD         IEEE 802.11ax (20 MHz, MCS6, 90pc dc)         WLAN         8.77         ±9.6           10677         AAD         IEEE 802.11ax (20 MHz, MCS6, 90pc dc)         WLAN         8.73         ±9.6           10678         AAD         IEEE 802.11ax (20 MHz, MCS7, 90pc dc)         WLAN         8.78         ±9.6           10680         AAD <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10662         AAC         Pulse Waveform (200 Hz, 80%)         Test         0.97         ±9.6           10670         AAC         Bluetooth Low Energy         Bluetooth         2.19         ±9.6           10671         AAD         IEEE 802.11ax (20 MHz, MCS0, 90pc dc)         WLAN         9.09         ±9.6           10672         AAD         IEEE 802.11ax (20 MHz, MCS1, 90pc dc)         WLAN         8.57         ±9.6           10673         AAD         IEEE 802.11ax (20 MHz, MCS2, 90pc dc)         WLAN         8.78         ±9.6           10674         AAD         IEEE 802.11ax (20 MHz, MCS3, 90pc dc)         WLAN         8.74         ±9.6           10675         AAD         IEEE 802.11ax (20 MHz, MCS4, 90pc dc)         WLAN         8.90         ±9.6           10676         AAD         IEEE 802.11ax (20 MHz, MCS5, 90pc dc)         WLAN         8.77         ±9.6           10677         AAD         IEEE 802.11ax (20 MHz, MCS6, 90pc dc)         WLAN         8.73         ±9.6           10678         AAD         IEEE 802.11ax (20 MHz, MCS7, 90pc dc)         WLAN         8.78         ±9.6           10679         AAD         IEEE 802.11ax (20 MHz, MCS9, 90pc dc)         WLAN         8.89         ±9.6           10680         <	1					
10670   AAC   Bluetooth Low Energy   Bluetooth   2.19   ±9.6						
10671   AAD   IEEE 802.11ax (20 MHz, MCS0, 90pc dc)   WLAN   9.09   ±9.6			·			
10672       AAD       IEEE 802.11ax (20 MHz, MCS1, 90pc dc)       WLAN       8.57       ±9.6         10673       AAD       IEEE 802.11ax (20 MHz, MCS2, 90pc dc)       WLAN       8.78       ±9.6         10674       AAD       IEEE 802.11ax (20 MHz, MCS3, 90pc dc)       WLAN       8.74       ±9.6         10675       AAD       IEEE 802.11ax (20 MHz, MCS4, 90pc dc)       WLAN       8.77       ±9.6         10676       AAD       IEEE 802.11ax (20 MHz, MCS5, 90pc dc)       WLAN       8.73       ±9.6         10677       AAD       IEEE 802.11ax (20 MHz, MCS7, 90pc dc)       WLAN       8.78       ±9.6         10678       AAD       IEEE 802.11ax (20 MHz, MCS7, 90pc dc)       WLAN       8.78       ±9.6         10679       AAD       IEEE 802.11ax (20 MHz, MCS9, 90pc dc)       WLAN       8.89       ±9.6         10680       AAD       IEEE 802.11ax (20 MHz, MCS9, 90pc dc)       WLAN       8.80       ±9.6         10681       AAG       IEEE 802.11ax (20 MHz, MCS10, 90pc dc)       WLAN       8.62       ±9.6         10682       AAF       IEEE 802.11ax (20 MHz, MCS11, 90pc dc)       WLAN       8.83       ±9.6         10683       AAA       IEEE 802.11ax (20 MHz, MCS0, 99pc dc)       WLAN       8.26 <td></td> <td>4</td> <td>1</td> <td></td> <td></td> <td></td>		4	1			
10673       AAD       IEEE 802.11ax (20 MHz, MCS2, 90pc dc)       WLAN       8.78       ±9.6         10674       AAD       IEEE 802.11ax (20 MHz, MCS3, 90pc dc)       WLAN       8.74       ±9.6         10675       AAD       IEEE 802.11ax (20 MHz, MCS4, 90pc dc)       WLAN       8.90       ±9.6         10676       AAD       IEEE 802.11ax (20 MHz, MCS5, 90pc dc)       WLAN       8.77       ±9.6         10677       AAD       IEEE 802.11ax (20 MHz, MCS6, 90pc dc)       WLAN       8.73       ±9.6         10678       AAD       IEEE 802.11ax (20 MHz, MCS7, 90pc dc)       WLAN       8.78       ±9.6         10679       AAD       IEEE 802.11ax (20 MHz, MCS8, 90pc dc)       WLAN       8.89       ±9.6         10680       AAD       IEEE 802.11ax (20 MHz, MCS9, 90pc dc)       WLAN       8.80       ±9.6         10681       AAG       IEEE 802.11ax (20 MHz, MCS10, 90pc dc)       WLAN       8.62       ±9.6         10682       AAF       IEEE 802.11ax (20 MHz, MCS11, 90pc dc)       WLAN       8.83       ±9.6         10683       AAA       IEEE 802.11ax (20 MHz, MCS0, 99pc dc)       WLAN       8.42       ±9.6         10684       AAC       IEEE 802.11ax (20 MHz, MCS1, 99pc dc)       WLAN       8.26 <td><b></b></td> <td><del></del></td> <td>1</td> <td></td> <td></td> <td></td>	<b></b>	<del></del>	1			
10674       AAD       IEEE 802.11ax (20 MHz, MCS3, 90pc dc)       WLAN       8.74       ±9.6         10675       AAD       IEEE 802.11ax (20 MHz, MCS4, 90pc dc)       WLAN       8.90       ±9.6         10676       AAD       IEEE 802.11ax (20 MHz, MCS5, 90pc dc)       WLAN       8.77       ±9.6         10677       AAD       IEEE 802.11ax (20 MHz, MCS6, 90pc dc)       WLAN       8.73       ±9.6         10678       AAD       IEEE 802.11ax (20 MHz, MCS7, 90pc dc)       WLAN       8.78       ±9.6         10679       AAD       IEEE 802.11ax (20 MHz, MCS8, 90pc dc)       WLAN       8.89       ±9.6         10680       AAD       IEEE 802.11ax (20 MHz, MCS9, 90pc dc)       WLAN       8.80       ±9.6         10681       AAG       IEEE 802.11ax (20 MHz, MCS10, 90pc dc)       WLAN       8.62       ±9.6         10682       AAF       IEEE 802.11ax (20 MHz, MCS11, 90pc dc)       WLAN       8.83       ±9.6         10683       AAA       IEEE 802.11ax (20 MHz, MCS0, 99pc dc)       WLAN       8.42       ±9.6         10684       AAC       IEEE 802.11ax (20 MHz, MCS1, 99pc dc)       WLAN       8.26       ±9.6         10685       AAC       IEEE 802.11ax (20 MHz, MCS2, 99pc dc)       WLAN       8.33 <td></td> <td></td> <td>1 1 1</td> <td></td> <td></td> <td></td>			1 1 1			
10675         AAD         IEEE 802.11ax (20 MHz, MCS4, 90pc dc)         WLAN         8.90         ±9.6           10676         AAD         IEEE 802.11ax (20 MHz, MCS5, 90pc dc)         WLAN         8.77         ±9.6           10677         AAD         IEEE 802.11ax (20 MHz, MCS6, 90pc dc)         WLAN         8.73         ±9.6           10678         AAD         IEEE 802.11ax (20 MHz, MCS7, 90pc dc)         WLAN         8.78         ±9.6           10679         AAD         IEEE 802.11ax (20 MHz, MCS8, 90pc dc)         WLAN         8.89         ±9.6           10680         AAD         IEEE 802.11ax (20 MHz, MCS9, 90pc dc)         WLAN         8.80         ±9.6           10681         AAG         IEEE 802.11ax (20 MHz, MCS10, 90pc dc)         WLAN         8.62         ±9.6           10682         AAF         IEEE 802.11ax (20 MHz, MCS11, 90pc dc)         WLAN         8.83         ±9.6           10683         AAA         IEEE 802.11ax (20 MHz, MCS0, 99pc dc)         WLAN         8.42         ±9.6           10684         AAC         IEEE 802.11ax (20 MHz, MCS1, 99pc dc)         WLAN         8.26         ±9.6           10685         AAC         IEEE 802.11ax (20 MHz, MCS2, 99pc dc)         WLAN         8.33         ±9.6	1	<b></b>				
10676         AAD         IEEE 802.11ax (20 MHz, MCS5, 90pc dc)         WLAN         8.77         ±9.6           10677         AAD         IEEE 802.11ax (20 MHz, MCS6, 90pc dc)         WLAN         8.73         ±9.6           10678         AAD         IEEE 802.11ax (20 MHz, MCS7, 90pc dc)         WLAN         8.78         ±9.6           10679         AAD         IEEE 802.11ax (20 MHz, MCS8, 90pc dc)         WLAN         8.89         ±9.6           10680         AAD         IEEE 802.11ax (20 MHz, MCS9, 90pc dc)         WLAN         8.80         ±9.6           10681         AAG         IEEE 802.11ax (20 MHz, MCS10, 90pc dc)         WLAN         8.62         ±9.6           10682         AAF         IEEE 802.11ax (20 MHz, MCS11, 90pc dc)         WLAN         8.83         ±9.6           10683         AAA         IEEE 802.11ax (20 MHz, MCS0, 99pc dc)         WLAN         8.42         ±9.6           10684         AAC         IEEE 802.11ax (20 MHz, MCS1, 99pc dc)         WLAN         8.26         ±9.6           10685         AAC         IEEE 802.11ax (20 MHz, MCS2, 99pc dc)         WLAN         8.33         ±9.6						
10677         AAD         IEEE 802.11ax (20 MHz, MCS6, 90pc dc)         WLAN         8.73         ±9.6           10678         AAD         IEEE 802.11ax (20 MHz, MCS7, 90pc dc)         WLAN         8.78         ±9.6           10679         AAD         IEEE 802.11ax (20 MHz, MCS8, 90pc dc)         WLAN         8.89         ±9.6           10680         AAD         IEEE 802.11ax (20 MHz, MCS9, 90pc dc)         WLAN         8.80         ±9.6           10681         AAG         IEEE 802.11ax (20 MHz, MCS10, 90pc dc)         WLAN         8.62         ±9.6           10682         AAF         IEEE 802.11ax (20 MHz, MCS11, 90pc dc)         WLAN         8.83         ±9.6           10683         AAA         IEEE 802.11ax (20 MHz, MCS0, 99pc dc)         WLAN         8.42         ±9.6           10684         AAC         IEEE 802.11ax (20 MHz, MCS1, 99pc dc)         WLAN         8.26         ±9.6           10685         AAC         IEEE 802.11ax (20 MHz, MCS2, 99pc dc)         WLAN         8.33         ±9.6				WLAN	8.77	±9.6
10678       AAD       IEEE 802.11ax (20 MHz, MCS7, 90pc de)       WLAN       8.78       ±9.6         10679       AAD       IEEE 802.11ax (20 MHz, MCS8, 90pc de)       WLAN       8.89       ±9.6         10680       AAD       IEEE 802.11ax (20 MHz, MCS9, 90pc dc)       WLAN       8.80       ±9.6         10681       AAG       IEEE 802.11ax (20 MHz, MCS10, 90pc dc)       WLAN       8.62       ±9.6         10682       AAF       IEEE 802.11ax (20 MHz, MCS11, 90pc dc)       WLAN       8.83       ±9.6         10683       AAA       IEEE 802.11ax (20 MHz, MCS0, 99pc dc)       WLAN       8.42       ±9.6         10684       AAC       IEEE 802.11ax (20 MHz, MCS1, 99pc dc)       WLAN       8.26       ±9.6         10685       AAC       IEEE 802.11ax (20 MHz, MCS2, 99pc dc)       WLAN       8.33       ±9.6	L			WLAN	8.73	±9.6
10679       AAD       IEEE 802.11ax (20 MHz, MCS8, 90pc dc)       WLAN       8.89       ±9.6         10680       AAD       IEEE 802.11ax (20 MHz, MCS9, 90pc dc)       WLAN       8.80       ±9.6         10681       AAG       IEEE 802.11ax (20 MHz, MCS10, 90pc dc)       WLAN       8.62       ±9.6         10682       AAF       IEEE 802.11ax (20 MHz, MCS11, 90pc dc)       WLAN       8.83       ±9.6         10683       AAA       IEEE 802.11ax (20 MHz, MCS0, 99pc dc)       WLAN       8.42       ±9.6         10684       AAC       IEEE 802.11ax (20 MHz, MCS1, 99pc dc)       WLAN       8.26       ±9.6         10685       AAC       IEEE 802.11ax (20 MHz, MCS2, 99pc dc)       WLAN       8.33       ±9.6			· · · · · · · · · · · · · · · · · · ·	WLAN	8.78	±9.6
10681         AAG         IEEE 802.11ax (20 MHz, MCS10, 90pc dc)         WLAN         8.62         ±9.6           10682         AAF         IEEE 802.11ax (20 MHz, MCS11, 90pc dc)         WLAN         8.83         ±9.6           10683         AAA         IEEE 802.11ax (20 MHz, MCS0, 99pc dc)         WLAN         8.42         ±9.6           10684         AAC         IEEE 802.11ax (20 MHz, MCS1, 99pc dc)         WLAN         8.26         ±9.6           10685         AAC         IEEE 802.11ax (20 MHz, MCS2, 99pc dc)         WLAN         8.33         ±9.6		AAD	IEEE 802.11ax (20 MHz, MCS8, 90pc dc)	WLAN	8.89	±9.6
10682       AAF       IEEE 802.11ax (20 MHz, MCS11, 90pc dc)       WLAN       8.83       ±9.6         10683       AAA       IEEE 802.11ax (20 MHz, MCS0, 99pc dc)       WLAN       8.42       ±9.6         10684       AAC       IEEE 802.11ax (20 MHz, MCS1, 99pc dc)       WLAN       8.26       ±9.6         10685       AAC       IEEE 802.11ax (20 MHz, MCS2, 99pc dc)       WLAN       8.33       ±9.6		AAD	IEEE 802.11ax (20 MHz, MCS9, 90pc dc)	WLAN	8.80	±9.6
10683         AAA         IEEE 802.11ax (20 MHz, MCS0, 99pc dc)         WLAN         8.42         ±9.6           10684         AAC         IEEE 802.11ax (20 MHz, MCS1, 99pc dc)         WLAN         8.26         ±9.6           10685         AAC         IEEE 802.11ax (20 MHz, MCS2, 99pc dc)         WLAN         8.33         ±9.6	10681	AAG	IEEE 802.11ax (20 MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6
10684         AAC         IEEE 802.11ax (20 MHz, MCS1, 99pc dc)         WLAN         8.26         ±9.6           10685         AAC         IEEE 802.11ax (20 MHz, MCS2, 99pc dc)         WLAN         8.33         ±9.6	10682	AAF	IEEE 802.11ax (20 MHz, MCS11, 90pc dc)		8.83	±9.6
10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc dc) WLAN 8.33 ±9.6	10683	AAA	IEEE 802.11ax (20 MHz, MCS0, 99pc dc)			<del></del>
	10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc dc)		8,26	±9.6
10686 AAC IEEE 802.11ax (20 MHz, MCS3, 99pc dc) WLAN 8.28 ±9.6	10685	AAC				
	10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc dc)	WLAN	8.28	<u>±9.6</u>

				DAD (dD)	Unc <sup>E</sup> $k=2$
UID	Rev	Communication System Name	Group WLAN	PAR (dB) 8.45	±9.6
10687	AAE	IEEE 802.11ax (20 MHz, MCS4, 99pc dc)	WLAN	8.29	±9.6
10688 10689	AAE	IEEE 802.11ax (20 MHz, MCS5, 99pc dc) IEEE 802.11ax (20 MHz, MCS6, 99pc dc)	WLAN	8.55	±9.6
		IEEE 802.11ax (20 MHz, MCS6, 99pc dc)	WLAN	8.29	±9.6
10690	AAE	IEEE 802.11ax (20 MHz, MCS7, 99pc dc)	WLAN	8.25	±9.6
10691	AAA	IEEE 802.11ax (20 MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6
10692	AAA	IEEE 802.11ax (20 MHz, MCS9, 99pc dc)	WLAN	8.25	±9.6
10693	AAA	IEEE 802.11ax (20 MHz, MCS11, 99pc dc)	WLAN	8.57	±9.6
10694	AAA	IEEE 802.11ax (40 MHz, MCS0, 90pc dc)	WLAN	8.78	±9.6
10696	AAA	IEEE 802.11ax (40 MHz, MCS1, 90pc dc)	WLAN	8.91	±9.6
10697	AAA	IEEE 802.11ax (40 MHz, MCS2, 90pc dc)	WLAN	8.61	±9.6
10698	AAA	IEEE 802.11ax (40 MHz, MCS3, 90pc dc)	WLAN	8.89	±9.6
10699	AAA	IEEE 802.11ax (40 MHz, MCS4, 90pc dc)	WLAN	8.82	±9.6
10700	AAA	IEEE 802.11ax (40 MHz, MCS5, 90pc dc)	WLAN	8.73	±9.6
10701	AAA	IEEE 802.11ax (40 MHz, MCS6, 90pc dc)	WLAN	8.86	±9.6
10702	AAA	IEEE 802.11ax (40 MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6
10703	AAA	IEEE 802.11ax (40 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10704	AAA	IEEE 802.11ax (40 MHz, MCS9, 90pc dc)	WLAN	8.56	±9.6
10705	AAA	IEEE 802.11ax (40 MHz, MCS10, 90pc dc)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc dc)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc dc)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc dc)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc dc)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc dc)	WLAN	8.67	±9.6
10713	AAC		WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc dc)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc dc)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc dc)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc dc)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc dc)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc dc)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc dc)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc dc)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc dc)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc dc)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc dc)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc dc)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc dc)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc dc)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc dc)	WLAN	8.67	±9,6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc dc)	WLAN	8.46	±9.6
10733		IEEE 802.11ax (80 MHz, MCS2, 99pc dc)	WLAN	8.40	±9.6
10734		IEEE 802.11ax (80 MHz, MCS3, 99pc dc)	WLAN	8.25	±9.6
10735		IEEE 802.11ax (80 MHz, MCS4, 99pc dc)	WLAN	8.33	±9.6
10736		IEEE 802.11ax (80 MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6
10737		IEEE 802.11ax (80 MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6
10738		IEEE 802.11ax (80 MHz, MCS7, 99pc dc)	WLAN	8.42	±9.6
10739		IEEE 802.11ax (80 MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6
10740		IEEE 802.11ax (80 MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6
10741		IEEE 802.11ax (80 MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6
10742		IEEE 802.11ax (80 MHz, MCS11, 99pc dc)	WLAN	8.43	±9.6
10743		IEEE 802.11ax (160 MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6
10744		IEEE 802.11ax (160 MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6
10745	1	IEEE 802.11ax (160 MHz, MCS2, 90pc dc)	WLAN	8.93	±9.6
10746		IEEE 802.11ax (160 MHz, MCS3, 90pc dc)	WLAN	9.11	±9.6
10747		IEEE 802.11ax (160 MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6
10748		IEEE 802.11ax (160 MHz, MCS5, 90pc dc)	WLAN	8.93	±9.6
10749			WLAN	8.90	±9.6
10750			WLAN	8.79	±9.6
10751	i		WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc dc)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc dc)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc dc)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc dc)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc dc)	WLAN	8.51	±9.6
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 ±9.6
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.30 8.30	±9.6 ±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10780	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10782	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,44	±9.6
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.35 8.35	±9.6
10817 10818	AAD	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.33	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10820	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823		5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824		5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825		5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827		5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828		5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6

			T a	DAD (JD)	Unc <sup>E</sup> $k=2$
UID	Rev	Communication System Name	Group 5G NR FR1 TDD	PAR (dB) 8.40	±9.6
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.63	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10832	AAD AAD	5G NR (CP-0FDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9,6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,36	±9.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75 6.52	±9.6 ±9.6
10872	AAD	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	AAD	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
10874 10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAD	5G NR (CP-OFDM, 1100 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAD	5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.67 5.68	±9.6 ±9.6
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QFSK, 30 KHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	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	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAD		5G NR FR1 TDD	5.96	±9.6
10910	AAD		5G NR FR1 TDD	5.83	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAD	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 TDD	5.84	±9.6
10914	AAD	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	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9,6
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,92	±9.6
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAB	5G NR DL. (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD		±9.6
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9,49	±9.6
10972	<del>-  </del>	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10974		5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD		±9.6
10978		ULLA BDR	ULLA	2.23	±9.6
10979		ULLA HDR4	ULLA	7.02	±9.6
	AAA	ULLA HDR8	ULLA	8.82	±9.6
10980					
10980 10981 10982	AAA	ULLA HDRp4 ULLA HDRp8	ULLA ULLA	1.50	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9,6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9,6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6

 $<sup>^{\</sup>mathsf{E}}$  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

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

Client

Element

**Certificate No** 

EX-7570\_Jan23

### **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7570

Calibration procedure(s)

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

QA CAL-25.v8

Calibration procedure for dosimetric E-field probes

Calibration date

January 11, 2023

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249_Oct22)	Oct-23
OCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016 Oct22)	Oct-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	10-Oct-22 (No. DAE4-660_Oct22)	Oct-23
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013 Jan23)	Jan-24

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

Name

Function

Signature

Calibrated by

Jeffrey Katzman

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: January 16, 2023

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

Certificate No: EX-7570\_Jan23

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### Calibration Laboratory of

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S Schweizerlscher Kallbrierdienst
C Service sulsse d'étalonnage
Servizio svizzero di taratura
S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Multilateral Agreement for the recognition of calibration certificates

#### Glossary

TSL.

tissue simulating liquid

NORMx,y,z

sensitivity in free space

ConvF

sensitivity in TSL / NORMx,y,z

DCP

diode compression point

CF A, B, C, D crest factor (1/duty\_cycle) of the RF signal modulation dependent linearization parameters

A, D, C, D

modulation dependent integrization pa

Polarization  $\varphi$ 

 $\varphi$  rotation around probe axis

Polarization ∂

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

normal to probe axis

Connector Angle

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

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

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

#### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization ∂ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvE.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of
  power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
  calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 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).

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EX3DV4 - SN:7570 January 11, 2023

### Parameters of Probe: EX3DV4 - SN:7570

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc ( <i>k</i> = 2)
Norm ( $\mu$ V/(V/m) <sup>2</sup> ) <sup>A</sup>	0.55	0.61	0.64	±10.1%
DCP (mV) B	101.3	100.8	101.5	±4.7%

### **Calibration Results for Modulation Response**

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√ <del>μV</del>		dB	m۷	dev.	Unc <sup>E</sup>
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	172.3	±2.5%	±4.7%
		Y	0.00	0.00	1.00		157.4		
		Z	0.00	0.00	1.00		162.1		
10352	Pulse Waveform (200Hz, 10%)	Х	3.35	68.46	11.31	10.00	60.0	±3.7%	±9.6%
		Y	20.00	90.13	19.79	1	60.0		
		Z	20.00	88.80	19.40	1	60.0		
10353	Pulse Waveform (200Hz, 20%)	X	3.19	69.82	11.03	6.99	80.0	±2.6%	±9.6%
		Y	20.00	92.37	19.80		80.0		
		Z	20.00	88.98	18.66		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	18.18	84.05	14.24	3.98	95.0	±1.5%	±9.6%
		Y	20.00	92.84	18.62		95.0		
		Z	20.00	90.78	18.41		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	85.07	13.61	2.22	120.0	±1.0%	±9.6%
		Y	20.00	91.87	16.88		120.0		
		Z	20.00	93.15	18.39	ĺ	120.0		
10387	QPSK Waveform, 1 MHz	Х	1.56	67.46	14.95	1.00	150.0	±3.0%	±9.6%
		Y	1.47	64.66	13.53	1	150.0		
		Z	1.59	65.65	14.48		150.0	1	
10388	QPSK Waveform, 10 MHz	X	2.06	67.85	15.64	0.00	150.0	±1.1%	±9.6%
		Y	1.98	66.25	14.45	]	150.0	1	
		Z	2.11	67.34	15.24	]	150.0	]	
10396	64-QAM Waveform, 100 kHz	Х	2.39	68.73	18.22	3.01	150.0	±0.8%	±9.6%
		Y	2.56	68.43	17.61		150.0	!	
		Z	3.10	72.05	19.46	1	150.0		
10399	64-QAM Waveform, 40 MHz	Х	3.40	67.10	15.74	0.00	150.0	±2.1%	±9.6%
		Υ	3.36	66.45	15.18	1	150.0		
		Z	3.44	66.88	15.54	1	150.0	1	
10414	WLAN CCDF, 64-QAM, 40 MHz	Х	4.68	65.81	15.59	0.00	150.0	±3.8%	±9.6%
		Y	4.76	65.50	15.29	1	150.0	1	
		Z	4.80	65.59	15.42	1	150.0	1	

Note: For details on UID parameters see Appendix

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

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

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:7570

### **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 msV <sup>-2</sup>	T2 msV <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	T6
х	31.8	235.56	35.07	13.39	0.00	5.02	0.79	0.14	1.01
у	40.5	302.05	35.29	12.28	0.00	5.10	0.67	0.27	1.01
z	43.2	318.85	34.76	22.53	0.00	5.08	1.70	0.14	1.01

### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	136.7°
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:7570

### Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
750	41.9	0.89	10.29	10.29	10.29	0.36	1.01	±12.0%
835	41.5	0.90	9.92	9.92	9.92	0.52	0.80	±12.0%
1750	40.1	1.37	8.60	8.60	8.60	0.44	0.86	±12.0%
1900	40.0	1.40	8.28	8.28	8.28	0.40	0.86	±12.0%
2300	39.5	1.67	7.95	7.95	7.95	0.43	0.90	±12.0%
2450	39.2	1.80	7.55	7.55	7.55	0.46	0.90	±12.0%
2600	39.0	1.96	7.26	7.26	7.26	0.42	0.90	±12.0%
5250	35.9	4.71	5.52	5.52	5.52	0.40	1.80	±14.0%
5600	35.5	5.07	4.84	4.84	4.84	0.40	1.80	±14.0%
5750	35.4	5.22	4.92	4.92	4.92	0.40	1.80	±14.0%
5850	35.2	5.32	4.78	4.78	4.78	0.40	1.80	±14.0%

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

assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$ 110 MHz. F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  by less than  $\pm$ 5% from the target values (typically better than  $\pm$ 3%) and are valid for TSL with deviations of up to  $\pm$ 10%. If TSL with deviations from the target of less than  $\pm$ 5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

<sup>&</sup>lt;sup>G</sup> 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.

EX3DV4 - SN:7570

### Parameters of Probe: EX3DV4 - SN:7570

### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
750	55.5	0.96	10.26	10.26	10.26	0.54	0.80	±12.0%
835	55.2	0.97	9.94	9.94	9.94	0.36	0.98	±12.0%
1750	53.4	1.49	8.54	8.54	8.54	0.34	0.86	±12.0%
1900	53.3	1.52	8.18	8.18	8.18	0.36	0.86	±12.0%
2300	52.9	1.81	7.74	7.74	7.74	0.40	0.90	±12.0%
2450	52.7	1.95	7.69	7.69	7.69	0.37	0.90	±12.0%
2600	52.5	2.16	7.44	7.44	7.44	0.26	0.90	±12.0%
5250	48.9	5.36	4.89	4.89	4.89	0.50	1.90	±14.0%
5600	48.5	5.77	4.33	4.33	4.33	0.50	1.90	±14.0%
5750	48.3	5.94	4.39	4.39	4.39	0.50	1.90	±14.0%
5850	48.1	6.06	4.30	4.30	4.30	0.50	1.90	±14.0%

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

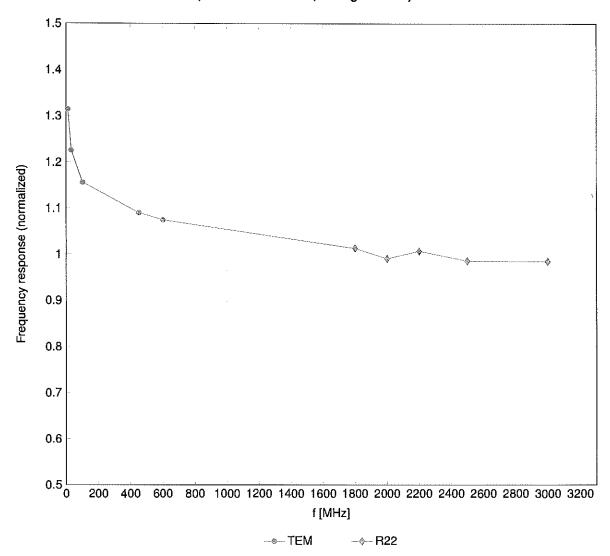
assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$ 110 MHz.

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

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

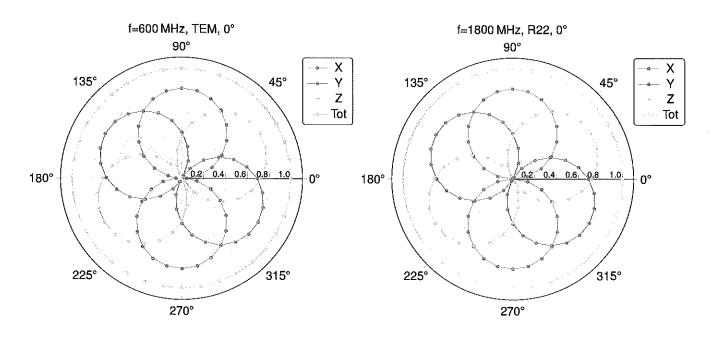
## Frequency Response of E-Field

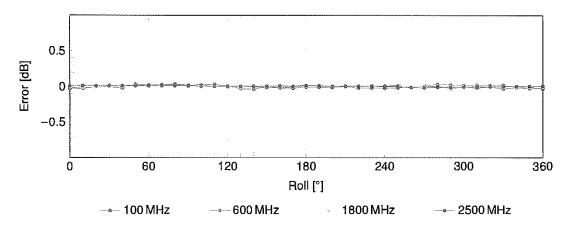
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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

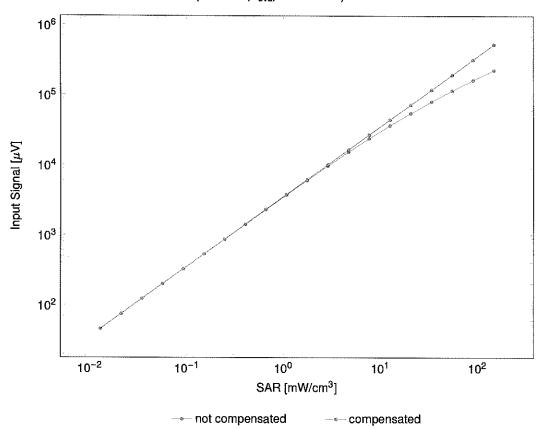


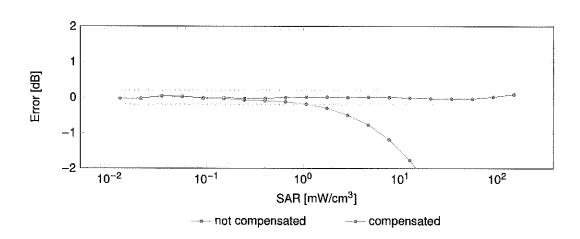


Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  (k=2)

# Dynamic Range f(SAR<sub>head</sub>)

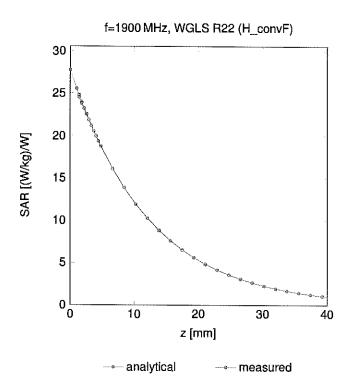
(TEM cell,  $f_{eval} = 1900 \, MHz$ )





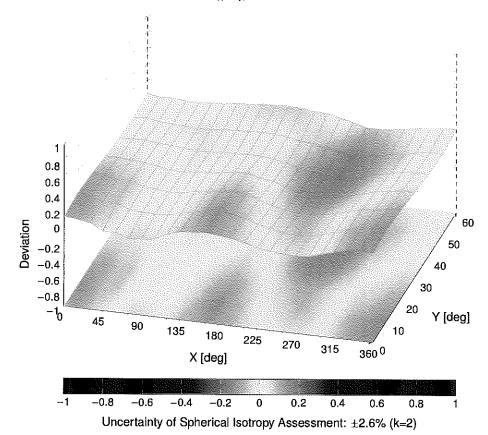
Uncertainty of Linearity Assessment: ±0.6% (k=2)

## **Conversion Factor Assessment**



# **Deviation from Isotropy in Liquid**

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



# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3,55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth		
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)		4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	3.83	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	CDMA2000 (1xRTT, RC1)	Bluetooth	4.10	±9.6
10039	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	CDMA2000	4.57	±9.6
10042			AMPS	7.78	±9.6
	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
		LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10100	CAF	ETE-FDD (30-FDIVIA, 100% ND, 201VINZ, QF3K)	#1 #-CDD	0.07	
10100 10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
}					±9.6 ±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	
10101 10102	CAF CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD LTE-FDD	6.42 6.60	±9.6
10101 10102 10103	CAF CAF CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD LTE-FDD LTE-TDD	6.42 6.60 9.29	±9.6 ±9.6
10101 10102 10103 10104	CAF CAF CAH CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)  LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)  LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)  LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD  LTE-FDD  LTE-TDD  LTE-TDD  LTE-TDD	6.42 6.60 9.29 9.97 10.01	±9.6 ±9.6 ±9.6 ±9.6
10101 10102 10103 10104 10105	CAF CAH CAH CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD  LTE-FDD  LTE-TDD  LTE-TDD  LTE-TDD  LTE-FDD	6.42 6.60 9.29 9.97 10.01 5.80	±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10101 10102 10103 10104 10105 10108	CAF CAH CAH CAH CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD  LTE-FDD  LTE-TDD  LTE-TDD  LTE-TDD	6.42 6.60 9.29 9.97 10.01	±9.6 ±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Gratin	DAD (AB)	Unc <sup>E</sup> k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Group LTE-FDD	PAR (dB) 6.59	
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAL	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	9.92	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)  LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	10.05	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD LTE-FDD	6.43	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-FDD	5.79 6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	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 (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	5.72	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	6.52	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52 6.50	±9.6 ±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	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	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	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.27	±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.03	±9.6
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN WLAN	8.13	±9.6 ±9.6
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.27 8.06	±9.6 ±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 10 Mbps, 16-QAM)	WLAN	8.48	±9.6 ±9.6
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6
<u> </u>		(	1	0.00	10.0

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> <i>k</i> = 2
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
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, 5 MHz, 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
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TOD	10.25	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.21	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	9.48	±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 ±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, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	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	CAH	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-TOD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOD	9.34	±9.6
10259	CAE	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	CAL	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 (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TOD	9.83	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TOD	10.16	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QFSK)	LTE-TOD	9.23	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6 ±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, 15MHz, 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)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate .	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	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 (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTHL symbols)	WIMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52 11.86	±9.6 ±9.6
10305	AAA	IEEE 802.16e WIMAX (25.16, 516s, 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	DAD (dD)	Unc <sup>E</sup> <i>k</i> = 2
10307	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	Group WiMAX	PAR (dB)	±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	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5,22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAE	IEEE 802.11ac WiFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB AAH	CDMA2000, RC3, SO32, SCH0, Full Rate  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	CDMA2000	5,22	±9.6
10410	AAA	WLAN CCDF, 64-QAM, 40 MHz	LTE-TDD	7.82	±9.6
10414	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Generic WLAN	8.54 1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6 ±9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-F0D	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-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%) W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	Validation (Square, 10 ms, 1 ms)	WCDMA	7,59	±9.6
10453	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	Test WLAN	10.00	±9.6
10456	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10457	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Nev. B, 2 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, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10400	1	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10469	AAG	1 LIL-IDD (30-IDWA, I No, 3 WI IZ, 04-QAW, OE SIDIRANIE=2,3,4,7,8,9)	LIL-IDD	0.50	
	AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6 ±9.6

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10472	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> 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		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 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
ļ		LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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-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-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	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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-TOD	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	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 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	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
1		IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538 10540	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10040	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8,49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.42	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.48	±9.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN WLAN	8.47 8.50	±9.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575 10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN WLAN	8.70	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.49 8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9,6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595 10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10599	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN WLAN	8.50 8.79	±9.6 ±9.6
10600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
		IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	0.04	±9.6
10607 10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.64	T3.0

10609 AA 10610 AA 10611 AA 10612 AA 10613 AA 10614 AA 10615 AA 10616 AA 10617 AA 10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA	C IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	Group WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	## PAR (dB)  ## 8.57  ## 8.70  ## 8.70  ## 8.70  ## 8.59  ## 8.59  ## 8.82  ## 8.81  ## 8.58  ## 8.86  ## 8.87  ## 8.77  ## 8.68  ## 8.82  ## 8.96  ## 8.83  ## 8.83  ## 8.71  ## 8.85  ## 8.72  ## 8.81  ## 8.74  ## 8.83  ## 8.80  ## 8.81  ## 8.83  ## 8.80  ## 8.81  ## 8.83  ## 8.80  ## 8.83  ## 8.80  ## 8.83  ## 8.80  ## 8.83  ## 8.80  ## 8.83  ## 8.84  ## 8.83  ## 8.83  ## 8.83  ## 8.86  ## 8.86	Unc <sup>E</sup> k = 2
10611 AA 10612 AA 10613 AA 10614 AA 10615 AA 10616 AA 10617 AA 10619 AA 10620 AA 10621 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10634 AA 10636 AA 10637 AA 10638 AA 10638 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA 10634 AA 10634 AA	C IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.78 8.70 8.77 8.94 8.59 8.82 8.82 8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.81 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10612 AA 10613 AA 10614 AA 10615 AA 10616 AA 10617 AA 10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10634 AA 10636 AA 10637 AA 10638 AA 10638 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA 10634 AA 10634 AA	C IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.70 8.77 8.94 8.59 8.82 8.82 8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.81 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6
10613 AA 10614 AA 10615 AA 10616 AA 10617 AA 10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10631 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10634 AA 10636 AA 10637 AA 10638 AA 10638 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA 10634 AA 10634 AA	C IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.77 8.94 8.59 8.82 8.82 8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10614 AA 10615 AA 10616 AA 10617 AA 10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10625 AA 10626 AA 10627 AA 10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10634 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA 10634 AA 10634 AA	C IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.94 8.59 8.82 8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6
10615 AA 10616 AA 10617 AA 10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10625 AA 10626 AA 10627 AA 10628 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10634 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA 10634 AA 10634 AA	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.59 8.82 8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6
10616 AA 10617 AA 10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10625 AA 10626 AA 10627 AA 10628 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10634 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA 10634 AA	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.82 8.82 8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.81 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83	±9.6 ±9.6
10617 AA 10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA 10634 AA	C IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.82 8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83	±9.6 ±9.6
10618 AA 10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10639 AA 10634 AA 10634 AA	C IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.81 8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10619 AA 10620 AA 10621 AA 10622 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10639 AA 10634 AA 10640 AA 10641 AA 10642 AA 10643 AA	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.58 8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.87	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10620 AA 10621 AA 10622 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10639 AA 10634 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.86 8.87 8.77 8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10621 AA 10622 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10634 AA 10644 AA	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)  IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.77 8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10622 AA 10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10634 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.68 8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10623 AA 10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.82 8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10624 AA 10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.96 8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10625 AA 10626 AA 10627 AA 10628 AA 10629 AA 10630 AA 10631 AA 10632 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.96 8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10626 AA 10627 AA 10628 AA 10629 AA 10630 AA 10631 AA 10632 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.83 8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10627 AA 10628 AA 10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10644 AA	C IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.88 8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10628 AA 10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.71 8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10629 AA 10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) C IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.85 8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10630 AA 10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.72 8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10631 AA 10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.81 8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10632 AA 10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.74 8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10633 AA 10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.83 8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6 ±9.6
10634 AA 10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN	8.80 8.81 8.83 8.79	±9.6 ±9.6 ±9.6
10635 AA 10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA	C IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN	8.81 8.83 8.79	±9.6 ±9.6
10636 AA 10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA 10644 AA	D IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)  D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)  D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)  D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)  D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN WLAN WLAN WLAN	8.83 8.79	±9.6
10637 AA 10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA 10644 AA	D IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)  D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)  D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)  D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN WLAN WLAN	8.79	
10638 AA 10639 AA 10640 AA 10641 AA 10642 AA 10643 AA 10644 AA	D IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN WLAN		100
10639 AA 10640 AA 10641 AA 10642 AA 10643 AA 10644 AA	D IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.86	±9.6
10640 AA 10641 AA 10642 AA 10643 AA 10644 AA	D IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)			±9.6
10641 AA 10642 AA 10643 AA 10644 AA			8.85	±9.6
10642 AA 10643 AA 10644 AA	D   ICCC 000 // 1100 // 00 MI   1100 H	WLAN	8.98	±9.6
10643 AA 10644 AA		WLAN	9.06	±9.6
10644 AA	( ( ( co) mill) model, copo daty byota)	WLAN	9.06	±9.6
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WLAN	8.89	±9.6
1 10 <i>04</i> 5   AAI	(**************************************	WLAN	9.05	±9.6
10645 AA	(	WLAN	9.11	±9.6
10647 AA	(*************************************	LTE-TDD	11.96	±9.6
10648 AA		LTE-TDD	11.96	±9.6
10652 AA		CDMA2000	3.45	±9.6
10652 AA		LTE-TDD	6.91	±9.6
10654 AA		LTE-TDD	7,42	±9.6
10655 AA		LTE-TOD	6.96	±9.6
10658 AA		LTE-TDD	7.21	±9.6
10659 AA		Test	10.00	±9.6
10660 AA		Test Test	6.99	±9.6
10661 AA	,,,	Test	3.98	±9.6
10662 AA		Test	2.22 0.97	±9.6 ±9.6
10670 AA		Bluetooth	2.19	±9.6
10671 AA	··· · · · · · · · · · · · · · · · · ·	WLAN	9.09	±9.6
10672 AA		WLAN	8.57	±9.6
10673 AA		WLAN	8.78	±9.6
10674 AA		WLAN	8.74	±9.6
10675 AA		WLAN	8.90	±9.6
10676 AA		WLAN	8.77	±9.6
10677 AA		WLAN	8.73	±9.6
10678 AAG		WLAN	8.78	±9.6
10679 AA	1	WLAN	8.89	±9.6
10680 AA		WLAN	8.80	±9.6
10681 AAG		WLAN	8.62	±9.6
10682 AAG		WLAN	8.83	±9.6
10683 AAG		WLAN	8.42	±9.6
10684 AAG		WLAN	8.26	±9.6
10685 AAG		WLAN	8.33	±9.6
10686 AAG		WLAN	8.28	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9,6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723 10724	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725 10726	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
		IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle) IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.25	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCSS, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±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, 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
10742	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	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	8.94	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	9.16	±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, MCS4, 90pc duty cycle)	WLAN	9.11	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.04	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 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, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±9.6
	7770	THE GOE. I LAY ( LOO INITE, INICOS, SUPC CUTY CYCLE)	WLAN	8.81	±9.6

10755   AAC   EEER 802.11st (100MHz, MCS10, 90pc duty cycle)   WLAN   8.94   29   20   20   20   20   20   20   20	UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10755   AAC		AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)			±9.6
10757   AAC   IEEE 802.11xx (100MHz, MCSS, 99pc duty ycylo)				WLAN	8.94	±9.6
10759   AAC   IEEE R02.11ax (160Metx, MCS2, 199c duty cycle)   Wi.AAI   6.57   7.9   1.9   1.0				WLAN	8.64	±9.6
10759   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.58   5.95   10760   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.58   5.95   10760   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.58   5.95   10761   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.58   5.95   10762   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.58   5.95   10762   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10763   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10766   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10766   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10766   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10766   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10766   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10766   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.54   5.95   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   6.55   10767   AAC   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN   IEEE 002.11ax (160MHz, MCSS, 90pc duty cycle)   MLAN				WLAN	8.77	±9.6
10769   AAC   IEEE 802.1 tay (160 Met., MCSR, 890 or day grole)   W.A. N   6.58   3.9				WLAN	8.77	±9.6
10758   AAC   IEEE 802.11ax (160MHz, MCSS, 99pc duty cycle)				WLAN	8.69	±9.6
10702   AAC   IEEE 802   Tax (160 MHz, MCSS, 990 otby cycle)   W.A.N   8.48   19   19708   AAC   IEEE 802   Tax (160 MHz, MCSS, 990 otby cycle)   W.A.N   8.58   19   19708   AAC   IEEE 802   Tax (160 MHz, MCSS, 990 otby cycle)   W.A.N   8.53   19   19709   AAC   IEEE 802   Tax (160 MHz, MCSS)   990 otby cycle)   W.A.N   8.54   19   19709   AAC   IEEE 802   Tax (160 MHz, MCSS)   990 otby cycle)   W.A.N   8.54   19   19709   AAC   IEEE 802   Tax (160 MHz, MCSS)   990 otby cycle)   W.A.N   8.54   19   19   19   19   19   19   19   1			IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
19788   AAC   IEEE 892.11tx (160 MHz, MCSS, 990 cithy cycle)				WLAN	8.49	±9.6
19789   AAC   IEEE 89.211 fax (160 MHz, MCS8) 8996 utby cycle)	ļ			WLAN	8.58	±9.6
10776   AAC				WLAN	8.49	±9.6
10756   AAC					8.53	±9.6
10767   AAD   GR NR (PC-POPM, 1 RB, 5MHz, CPSK, 15MHz)   SG NR FRH TDD   S.01   1.9			IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)		8.54	±9.6
10769   AAE   SG NR (CP-OFDM, 1 RB, 5MHz, CPSK, 15MHz)   SG NR FRI TDD   7,99   19   19   19   19   19   19   19						±9.6
10769   AAD   SG NR (CP-CPDM, 1 FB, 10MHz, CPSK, 15Hz)   SG NR FRI TDD   S.01   ±39   10769   AAD   SG NR (CP-CPDM, 1 FB, 15MHz, CPSK, 15Hz)   SG NR FRI TDD   S.02   ±39   10771   AAD   SG NR (CP-CPDM, 1 FB, 20MHz, CPSK, 15Hz)   SG NR FRI TDD   S.02   ±39   10771   AAD   SG NR (CP-CPDM, 1 FB, 20MHz, CPSK, 15Hz)   SG NR FRI TDD   S.02   ±39   10772   AAD   SG NR (CP-CPDM, 1 FB, 20MHz, CPSK, 15Hz)   SG NR FRI TDD   S.22   ±39   10773   AAD   SG NR (CP-CPDM, 1 FB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.23   ±39   10774   AAD   SG NR (CP-CPDM, 1 FB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.03   ±49   10775   AAD   SG NR (CP-CPDM, 1 FB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.03   ±49   10776   AAD   SG NR (CP-CPDM, 1 FB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.03   ±49   10777   AAC   SG NR (CP-CPDM, 50W RB, 50MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10778   AAD   SG NR (CP-CPDM, 50W RB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10778   AAD   SG NR (CP-CPDM, 50W RB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10778   AAD   SG NR (CP-CPDM, 50W RB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10778   AAD   SG NR (CP-CPDM, 50W RB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10778   AAD   SG NR (CP-CPDM, 50W RB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10778   AAD   SG NR (CP-CPDM, 50W RB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10780   AAD   SG NR (CP-CPDM, 50W RB, 30MHz, CPSK, 15Hz)   SG NR FRI TDD   S.32   ±39   10781   AAD   SG NR (CP-CPDM, 50W RB, 50MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10780   AAD   SG NR (CP-CPDM, 50W RB, 50MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10780   AAD   SG NR (CP-CPDM, 50W RB, 50MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10780   AAD   SG NR (CP-CPDM, 50W RB, 50MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10780   AAD   SG NR (CP-CPDM, 50W RB, 50MHz, CPSK, 15Hz)   SG NR FRI TDD   S.30   ±39   10780   AAD   SG NR (CP-CPDM, 50W RB, 50MHz, CPSK, 50MHz)   SG NR FRI TDD   S.30   ±39   10780   AAD   SG NR (CP-CPDM, 50WR, 8	1	1				±9.6
10776   AAD   SG NR (CP-OFDM, 1 FB, 30MHz, CPSK, 15Hzb;   SG NR FRI TDD   S.02   3.9   10771   AAD   SG NR (CP-OFDM, 1 FB, 20MHz, CPSK, 15Hzb;   SG NR FRI TDD   S.02   3.9   10772   AAD   SG NR (CP-OFDM, 1 FB, 20MHz, CPSK, 15Hzb;   SG NR FRI TDD   S.02   3.9   10773   AAD   SG NR (CP-OFDM, 1 FB, 30MHz, CPSK, 15Hzb;   SG NR FRI TDD   S.02   3.9   10774   AAD   SG NR (CP-OFDM, 1 FB, 30MHz, CPSK, 15Hzb;   SG NR FRI TDD   S.03   3.9   10774   AAD   SG NR (CP-OFDM, 50R SR, 50Hz, CPSK, 15Hzb;   SG NR FRI TDD   S.02   3.9   10776   AAD   SG NR (CP-OFDM, 50R SR, 50Hz, CPSK, 15Hzb;   SG NR FRI TDD   S.02   3.9   10776   AAD   SG NR (CP-OFDM, 50R SR, 50Hz, CPSK, 15Hzb;   SG NR FRI TDD   S.03   3.9   3.0   3						±9.6
10777   AAD   SG NR (CP-OFDM, 1 FB, 20MHz, CPSK, 15Hz)   SG NR FFT TDD   S.02   19   10772   AAD   SG NR (CP-OFDM, 1 FB, 20MHz, CPSK, 15Hz)   SG NR FFT TDD   S.03   19   10773   AAD   SG NR (CP-OFDM, 1 FB, 30MHz, CPSK, 15Hz)   SG NR FFT TDD   S.03   19   10774   AAD   SG NR (CP-OFDM, 1 FB, 30MHz, CPSK, 15Hz)   SG NR FFT TDD   S.03   19   10775   AAD   SG NR (CP-OFDM, 1 FB, 30MHz, CPSK, 15Hz)   SG NR FFT TDD   S.03   19   10775   AAD   SG NR (CP-OFDM, 50°K, 86 MHz, CPSK, 15Hz)   SG NR FFT TDD   S.03   19   10776   AAD   SG NR (CP-OFDM, 50°K, 86 MHz, CPSK, 15Hz)   SG NR FFT TDD   S.31   19   10777   AAC   SG NR (CP-OFDM, 50°K, 86 MHz, CPSK, 15Hz)   SG NR FFT TDD   S.30   19   10777   AAC   SG NR (CP-OFDM, 50°K, 86 MHz, CPSK, 15Hz)   SG NR FFT TDD   S.30   19   10777   AAC   SG NR (CP-OFDM, 50°K, 86 MHz, CPSK, 15Hz)   SG NR FFT TDD   S.30   19   10778   AAD   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.30   19   10778   AAC   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.30   19   10778   AAC   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.42   10   10780   AAD   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.42   10   10780   AAD   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.43   49   10781   AAD   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.38   49   10781   AAD   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.38   49   10782   AAD   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.38   49   10782   AAD   SG NR (CP-OFDM, 50°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.38   49   10782   AAD   SG NR (CP-OFDM, 100°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.39   49   10786   AAD   SG NR (CP-OFDM, 100°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.39   49   10786   AAD   SG NR (CP-OFDM, 100°K, 88, 50MHz, CPSK, 15Hz)   SG NR FFT TDD   S.39   49   10786   AAD   SG NR (CP-OFDM, 100°K, 88, 50MHz, CPSK, 50MHz)   SG NR FFT TDD   S.39   49   10789   AAD   SG NR (CP-OFD						±9.6
10777   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, OPSK, 15NHz)   SG NR FRI TOD   S.22   1.9   1.0779   AAD   SG NR (CP-OFDM, 1 RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.23   1.9   1.0774   AAD   SG NR (CP-OFDM, 1 RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.23   1.9   1.0774   AAD   SG NR (CP-OFDM, 1 RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.30   1.9   1.0775   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.31   1.9   1.0776   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.31   1.9   1.0776   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.30   1.9   1.0776   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.30   1.9   1.0777   AAC   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.30   1.9   1.0778   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.30   1.9   1.0778   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.42   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.42   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 15NHz)   SG NR FRI TOD   S.43   1.9   1.0780   AAD   SG NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 15NHz)   SG NR FRI TOD   S.40   1.9   1.0780   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 50MHz)   SG NR F						±9.6
10772   AAD   SG NR (CP-CPOM, 1 RB, 30MHz, CPSK, 15Hz)   SG NR FRI TOD   8.22   19.			SG NR (CR-OFDM 1 PR 25MU-2 OPOK 15MU-2)	i		±9.6
10773   AAD   SG NR (CP-CPOM, 1 BR, 50MHz, CPSK, 15Hz)   SG NR FR1 TDD   8.02   19.		<u> </u>	5G NR (CP-OFDM 1 RR 30MHz OPSK 15 kHz)			±9.6
10776   AAD   5G NR (CP-OFDM, 198, R5 MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.30   1.9   10776   AAD   5G NR (CP-OFDM, 59%, R5, 80Hz, QPSK, 15NHz)   5G NR FR1 TDD   8.30   1.9   10777   AAC   5G NR (CP-OFDM, 59%, R5, 15MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.30   1.9   10777   AAC   5G NR (CP-OFDM, 59%, R8, 15MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.30   1.9   10778   AAD   5G NR (CP-OFDM, 59%, R8, 25MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.34   1.9   10778   AAC   5G NR (CP-OFDM, 59%, R8, 25MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.34   1.9   10778   AAC   5G NR (CP-OFDM, 59%, R8, 25MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.42   1.9   10780   AAD   5G NR (CP-OFDM, 59%, R8, 25MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.42   1.9   10780   AAD   5G NR (CP-OFDM, 59%, R8, 25MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.38   1.9   10781   AAD   5G NR (CP-OFDM, 59%, R8, 50MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.38   1.9   10782   AAD   5G NR (CP-OFDM, 59%, R8, 50MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.38   1.9   10782   AAD   5G NR (CP-OFDM, 59%, R8, 50MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.31   1.9   10784   AAD   5G NR (CP-OFDM, 59%, R8, 50MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.31   1.9   10784   AAD   5G NR (CP-OFDM, 100%, R8, 10MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.31   1.9   10786   AAD   5G NR (CP-OFDM, 100%, R8, 10MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.30   1.9   10786   AAD   5G NR (CP-OFDM, 100%, R8, 20MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.35   1.9   10786   AAD   5G NR (CP-OFDM, 100%, R8, 20MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.35   1.9   10786   AAD   5G NR (CP-OFDM, 100%, R8, 20MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.35   1.9   10786   AAD   5G NR (CP-OFDM, 100%, R8, 20MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.35   1.9   10787   AAD   5G NR (CP-OFDM, 100%, R8, 20MHz, QPSK, 15NHz)   5G NR FR1 TDD   8.35   1.9   10788   AAD   5G NR (CP-OFDM, 100%, R8, 30MHz, QPSK, 30NHz)   5G NR FR1 TDD   8.39   1.9   10789   AAD   5G NR (CP-OFDM, 100%, R8, 30MHz, QPSK, 30NHz)   5G NR FR1 TDD   8.39   1.9   10789   AAD   5G NR (CP-OFDM, 100%, R8, 30MHz, QPSK, 30NHz)						±9.6
10776   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15KHz)   SG NR FRI TDD   8.31   1.9   1.0777   AAC   SG NR (CP-OFDM, 50% RB, 15MHz, OPSK, 15KHz)   SG NR FRI TDD   8.30   1.9   1.0777   AAC   SG NR (CP-OFDM, 50% RB, 15MHz, OPSK, 15KHz)   SG NR FRI TDD   8.30   1.9   1.0778   AAC   SG NR (CP-OFDM, 50% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.34   1.9   1.0779   AAC   SG NR (CP-OFDM, 50% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.34   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.34   1.9   1.0780   AAD   SG NR (CP-OFDM, 50% RB, 26MHz, OPSK, 15KHz)   SG NR FRI TDD   8.38   1.9   1.0781   AAD   SG NR (CP-OFDM, 50% RB, 26MHz, OPSK, 15KHz)   SG NR FRI TDD   8.38   1.9   1.0782   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15KHz)   SG NR FRI TDD   8.38   1.9   1.0783   AAE   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15KHz)   SG NR FRI TDD   8.31   1.9   1.0783   AAE   SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15KHz)   SG NR FRI TDD   8.31   1.9   1.0784   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 15KHz)   SG NR FRI TDD   8.31   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 15KHz)   SG NR FRI TDD   8.30   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.30   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.30   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.30   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.30   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.39   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 15KHz)   SG NR FRI TDD   8.39   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 35KHz)   SG NR FRI TDD   8.39   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 35KHz)   SG NR FRI TDD   8.39   1.9   1.0789   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, OPSK, 35KHz)   SG NR FRI TDD   7.92   1.9   1.0789   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, OPSK, 3		ļ				±9.6
10776   AAD   5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15KHz)   5G NR FRI TDD   8.30   ±9   10777   AAC   5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15KHz)   5G NR FRI TDD   8.34   ±9   10779   AAC   5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15KHz)   5G NR FRI TDD   8.42   ±9   10780   AAD   5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15KHz)   5G NR FRI TDD   8.42   ±9   10780   AAD   5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15KHz)   5G NR FRI TDD   8.42   ±9   10781   AAD   5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15KHz)   5G NR FRI TDD   8.38   ±9   10781   AAD   5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   8.38   ±9   10782   AAD   5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   8.31   ±9   10784   AAD   5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   8.31   ±9   10784   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   8.31   ±9   10784   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   8.31   ±9   10786   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   8.30   ±9   10786   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   8.30   ±9   10786   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15KHz)   5G NR FRI TDD   8.35   ±9   10787   AAD   5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz)   5G NR FRI TDD   8.35   ±9   10787   AAD   5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz)   5G NR FRI TDD   8.35   ±9   10789   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   6.39   ±9   10789   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   6.39   ±9   10789   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz)   5G NR FRI TDD   6.39   ±9   10789   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz)   5G NR FRI TDD   7.83   ±9   10799   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz)   5G NR FRI TDD   7.82   ±9   10789   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz)   5G NR FRI TDD   7.82   ±9   10789   AAD   5G NR (CP-OFDM, 178, 50MHz, QPSK, 30KHz)   5G NR FRI TDD   7.84   ±9   10789   AA		<del></del>				
10777   AAC   SG NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15 Hz)		·				
10778   AAD   5G NR (CP-OFDM, 50% RB, 20MHz, OPSK, 15kHz)   5G NR FR1 TDD   8.34   4.9   10780   AAD   5G NR (CP-OFDM, 50% RB, 20MHz, OPSK, 15kHz)   5G NR FR1 TDD   8.38   4.9   10781   AAD   5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.38   4.9   10781   AAD   5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.38   4.9   10782   AAD   5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.43   4.9   10783   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.43   4.9   10783   AAE   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.43   4.9   10784   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.40   4.9   10786   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.40   4.9   10786   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.40   4.9   10787   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.40   4.9   10787   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.44   4.9   10788   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.36   4.9   10789   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.39   4.9   10789   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.39   4.9   10789   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.39   4.9   10790   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   5G NR FR1 TDD   7.9   4.9   10790   AAE   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   5G NR FR1 TDD   7.9   4.9   10790   AAE   5G NR CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.9   4.9   10790   AAE   5G NR CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.9   4.9   10790   AAD   5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.8   4.9   10790   AAD   5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.8   4.9   10790   AAD   5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.8   4.9   107						
10779   AAC   SG NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz)   SG NR FRI TDD   8.42   1.90	10778	AAD				
10780   AAD   SG NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.38   ±9.     10781   AAD   SG NR (CP-OFDM, 50% RB, 40MHz, QPSK, 15kHz)   SG NR FRI TDD   8.38   ±9.     10783   AAE   SG NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.43   ±9.     10783   AAE   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.43   ±9.     10784   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.43   ±9.     10785   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   ±9.     10786   AAD   SG NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   ±9.     10787   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   ±9.     10788   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)   SG NR FRI TDD   8.35   ±9.     10789   AAD   SG NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10789   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10789   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10790   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10791   AAE   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10793   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   7.82   ±9.     10794   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30MHz)   SG NR FRI TDD   7.92   ±9.     10795   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30MHz)   SG NR FRI TDD   7.92   ±9.     10796   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30MHz)   SG NR FRI TDD   7.92   ±9.     10797   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30MHz)   SG NR FRI TDD   7.93   ±9.     10798   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30MHz)   SG NR FRI TDD   7.93   ±9.     10799   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30MHz)   SG NR FRI TDD   7.93   ±9.     10799   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30MHz)   SG NR FRI TDD   7.83   ±9.     10799   AAD   SG NR (CP-OFDM, 1RB, 50MHz, QPSK, 30M	10779	AAC				
10781   AAD   SG NR (CP-OFDM, 50% RB, 40MHz, QPSK, 15kHz)   SG NR FRI TDD   8.38   ±9.     10782   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.31   ±9.     10783   AAE   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.29   ±9.     10784   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.29   ±9.     10785   AAD   SG NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   ±9.     10786   AAD   SG NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   ±9.     10787   AAD   SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   SG NR FRI TDD   8.35   ±9.     10788   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10789   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10789   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.37   ±9.     10790   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10791   AAE   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   ±9.     10792   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   7.83   ±9.     10793   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   7.82   ±9.     10794   AAD   SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)   SG NR FRI TDD   7.92   ±9.     10795   AAD   SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)   SG NR FRI TDD   7.92   ±9.     10796   AAD   SG NR (CP-OFDM, 1 RB, 2 MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   ±9.     10797   AAD   SG NR (CP-OFDM, 1 RB, 2 MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   ±9.     10798   AAD   SG NR (CP-OFDM, 1 RB, 3 MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   ±9.     10799   AAD   SG NR (CP-OFDM, 1 RB, 3 MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   ±9.     10799   AAD   SG NR (CP-OFDM, 1 RB, 3 SMHz, QPSK, 30kHz)   SG NR FRI TDD   7.83   ±9.     10799   AAD   SG NR (CP-OFDM, 1 RB, 3 SMHz, QPSK, 30kHz)   SG NR FRI TDD   8.01   ±9.     10799   AAD   SG NR (CP-OFDM, 1 RB, 3 SMHz,	10780	AAD				±9.6
10782   AAD   SG NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.43   1.9     10784   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.29   1.9     10785   AAD   SG NR (CP-OFDM, 100% RB, 10MHz, QPSK, 15kHz)   SG NR FRI TDD   8.29   1.9     10786   AAD   SG NR (CP-OFDM, 100% RB, 10MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   1.9     10787   AAD   SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   SG NR FRI TDD   8.35   1.9     10788   AAD   SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   SG NR FRI TDD   8.35   1.9     10789   AAD   SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)   SG NR FRI TDD   8.35   1.9     10789   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9     10790   AAD   SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9     10791   AAE   SG NR (CP-OFDM, 100% RB, 40MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9     10792   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9     10793   AAD   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   7.83   1.9     10794   AAD   SG NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)   SG NR FRI TDD   7.95   1.9     10795   AAD   SG NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)   SG NR FRI TDD   7.95   1.9     10796   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.92   1.9     10797   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   1.9     10798   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   1.9     10799   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   1.9     10799   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   1.9     10799   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   1.9     10799   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.82   1.9     10799   AAD   SG NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)   SG NR FRI TDD   7.83   1.9     10800   AAD   SG NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30	10781	AAD				±9.6
10783   AAE   SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)   SG NR FRI TDD   8.29   1.9   1.0784   AAD   SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   1.9   1.0785   AAD   SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.40   1.9   1.0786   AAD   SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.35   1.9   1.0787   AAD   SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.35   1.9   1.0787   AAD   SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9   1.0789   AAD   SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9   1.0780   AAD   SG NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.37   1.9   1.0790   AAD   SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9   1.0790   AAD   SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)   SG NR FRI TDD   8.39   1.9   1.0791   AAE   SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.82   1.9   1.0792   AAD   SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.92   1.9   1.0793   AAD   SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.92   1.9   1.0794   AAD   SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.92   1.9   1.0795   AAD   SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.82   1.9   1.0795   AAD   SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.82   1.9   1.0797   AAD   SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.82   1.9   1.0799   AAD   SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.82   1.9   1.0799   AAD   SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.82   1.9   1.0799   AAD   SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.89   1.9   1.0799   AAD   SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.89   1.9   1.0799   AAD   SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   SG NR FRI TDD   7.89   1.9   1.0800   AAD   SG NR (CP-OFDM, 1 RB, 50 MHz, Q	10782	AAD				±9.6
10784   AAD   5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.29   19.	10783	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)			±9.6
10785   AAD   5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.40   ±9.     10787   AAD   5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.44   ±9.     10788   AAD   5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.44   ±9.     10789   AAD   5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.39   ±9.     10789   AAD   5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.39   ±9.     10790   AAD   5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   8.39   ±9.     10791   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   5G NR FR1 TDD   7.83   ±9.     10792   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.83   ±9.     10793   AAD   5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.75   ±9.     10794   AAD   5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.75   ±9.     10795   AAD   5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10796   AAD   5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10797   AAD   5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10798   AAD   5G NR (CP-OFDM, 1 RB, 26 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.782   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.783   ±9.     10800   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.783   ±9.     10801   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10803   AA		AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)			±9.6
10787   AAD   5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 KHz)   5G NR FR1 TDD   8.44   ±9.	10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10788   AAD   5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)   5G NR FR1 TDD   8.39   ±9.		AAD		5G NR FR1 TDD	8.35	±9.6
10789   AAD   5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15KHz)   5G NR FR1 TDD   8.37   ±9.			5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10790   AAD   5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.83   49.				5G NR FR1 TDD	8.39	±9.6
10791   AAE   5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.83   ±9.     10792   AAD   5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.92   ±9.     10793   AAD   5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.82   ±9.     10794   AAD   5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.82   ±9.     10795   AAD   5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.84   ±9.     10796   AAD   5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.82   ±9.     10797   AAD   5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.82   ±9.     10798   AAD   5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10801   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10802   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10803   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10803   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10804   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10805   AAD   5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10806   AAD   5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10807   AAD   5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10808   AAD   5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10810   AAD   5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10812   AAD   5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10813   AAD   5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10824   AAD   5G NR (CP-OFDM, 100% R	<del></del>			5G NR FR1 TDD	8.37	±9.6
10792   AAD   5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.92   ±9.				5G NR FR1 TDD	8.39	±9.6
10793 AAD 5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.95 ±9. 10794 AAD 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9. 10795 AAD 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.84 ±9. 10796 AAD 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9. 10797 AAD 5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9. 10798 AAD 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9. 10799 AAD 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9. 10799 AAD 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9. 10801 AAD 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9. 10802 AAD 5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.87 ±9. 10803 AAD 5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9. 10804 AAD 5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9. 10805 AAD 5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9. 10806 AAD 5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9. 10806 AAD 5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9. 10809 AAD 5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9. 10810 AAD 5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9. 10811 AAD 5G NR (CP-OFDM, 50% RB, 60MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9. 10812 AAD 5G NR (CP-OFDM, 50% RB, 60MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9. 10813 AAD 5G NR (CP-OFDM, 50% RB, 60MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.35 ±9. 10814 AAD 5G NR (CP-OFDM, 60% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9. 10815 AAD 5G NR (CP-OFDM, 60% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.35 ±9. 10816 AAD 5G NR (CP-OFDM, 60% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.36 ±9. 10817 AAE 5G NR (CP-OFDM, 60% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.36 ±9. 10821 AAD 5G NR (CP-OFDM, 60% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.36 ±9. 10822 AAD 5G NR (CP-OFDM, 60% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.36 ±9. 10823 AAD 5G NR (CP-OFDM, 60% RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD				5G NR FR1 TDD	7.83	±9.6
10794   AAD   5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.82   ±9.				5G NR FR1 TDD	7.92	±9.6
10795   AAD   5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.84   ±9.     10796   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.82   ±9.     10797   AAD   5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.01   ±9.     10798   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10799   AAD   5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10801   AAD   5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.     10802   AAD   5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.87   ±9.     10803   AAD   5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.93   ±9.     10805   AAD   5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.93   ±9.     10806   AAD   5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10809   AAD   5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10810   AAD   5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10811   AAD   5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10812   AAD   5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.35   ±9.     10813   AAD   5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.35   ±9.     10814   AAD   5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.35   ±9.     10815   AAD   5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.35   ±9.     10820   AAD   5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.35   ±9.     10821   AAD   5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.34   ±9.     10822   AAD   5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.41   ±9.     10824   AAD   5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.41   ±9.     10825   AAD   5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   8.41   ±9.     10826   AAD						±9.6
10796   AAD   5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.82   ±9.					7.82	±9.6
10797   AAD   5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.89   ±9.   10798   AAD   5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.89   ±9.   10799   AAD   5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.89   ±9.   10801   AAD   5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.89   ±9.   10802   AAD   5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.87   ±9.   10803   AAD   5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.87   ±9.   10803   AAD   5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 30kHz)   5G NR FR1 TDD   7.93   ±9.   10805   AAD   5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10806   AAD   5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.37   ±9.   10809   AAD   5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10810   AAD   5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10812   AAD   5G NR (CP-OFDM, 50% RB, 60MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.35   ±9.   10812   AAD   5G NR (CP-OFDM, 50% RB, 60MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.35   ±9.   10818   AAD   5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.35   ±9.   10818   AAD   5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10819   AAD   5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10820   AAD   5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10820   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10822   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.34   ±9.   10822   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.41   ±9.   10822   AAD   5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.41   ±9.   10822   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.41   ±9.   10824   AAD   5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)   5G NR FR1 TDD   8.42   ±9.   10825						±9.6
10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9. 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9. 10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9. 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9. 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9. 10805 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ±9. 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10811 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9. 10812 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9. 10818 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9. 10818 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10819 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10820 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10821 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10822 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9. 10824 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9. 10824 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9. 10824 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9. 10825 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9. 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9. 10825 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9. 10826 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9. 10827 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.						±9.6
10799       AAD       5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       7.93       ±9.         10801       AAD       5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       7.89       ±9.         10802       AAD       5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       7.87       ±9.         10803       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       7.93       ±9.         10805       AAD       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10806       AAD       5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10810       AAD       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10810       AAD       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10811       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10812       AAD       5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10813       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34						±9.6
10801   AAD   5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.89   ±9.	L					±9.6
10802   AAD   5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   7.87   ±9.						±9.6
10803       AAD       5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       7.93       ±9.         10805       AAD       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10806       AAD       5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.37       ±9.         10809       AAD       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10810       AAD       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10817       AAE       5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10818       AAD       5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9.         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10821       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41<	<u></u>					±9.6
10805       AAD       5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10806       AAD       5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.37       ±9.         10809       AAD       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10810       AAD       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10817       AAE       5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10818       AAD       5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9.         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9.         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8						±9.6
10806       AAD       5G NR CP-OFDM, 50% RB, 15MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.37       ±9.         10809       AAD       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10810       AAD       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10817       AAE       5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10818       AAD       5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9.         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9.         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10823       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8						
10809       AAD       5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10810       AAD       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10817       AAE       5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10818       AAD       5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9.         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9.         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ±9.         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10810       AAD       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10817       AAE       5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10818       AAD       5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9.         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9.         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10823       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ±9.         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ±9.         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10817       AAE       5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9.         10818       AAD       5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9.         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9.         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9.         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ±9.         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ±9.         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10827       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD						
10817         AAE         5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.35         ±9.           10818         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ±9.           10819         AAD         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.33         ±9.           10820         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.30         ±9.           10821         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10822         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10823         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ±9.           10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.39         ±9.           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10827         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ±9.						±9.6
10818         AAD         5G NR CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ±9.           10819         AAD         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.33         ±9.           10820         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.30         ±9.           10821         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10822         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10823         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ±9.           10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.39         ±9.           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10827         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ±9.						±9.6
10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9.         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9.         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ±9.         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ±9.         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ±9.		AAD				±9.6
10820         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.30         ±9.           10821         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10822         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10823         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ±9.           10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.39         ±9.           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10827         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ±9.	10819	AAD				±9.6
10821         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10822         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10823         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ±9.           10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.39         ±9.           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10827         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ±9.	10820	AAD				±9.6
10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ±9.         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ±9.         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9.         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ±9.	10821	AAD				±9.6
10823         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ±9.           10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.39         ±9.           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10827         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ±9.	10822	AAD				±9.6
10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.39         ±9.           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10827         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ±9.	10823	AAD				±9.6
10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9.           10827         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ±9.	10824	AAD				±9.6
10827 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9.	10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)			±9.6
	10827	AAD				±9.6
5G NR FRI IDU   8.43   ±9.	10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

uID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.68 7.70	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6 ±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	8.35	±9.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	8.36	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.34 8.41	±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 ±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870 10871	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100 M RB, 100 M Hz, 64QAM, 120 K Hz)	5G NR FR2 TDD	6.61	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.65 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 AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	6.61	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.65	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78 8.35	±9.6 ±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAB AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 25 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 (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.68 5.68	±9.6
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 ±9.6
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAB 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	5.96	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% NB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.95 5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6 ±9.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR 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	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.81	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.87	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94 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 ±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	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9,40	±9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966 10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10966	AAB	5G NR DE (CP-OFDM, 1M 3.1, 100 MHz, 64-QAM, 30 KHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	9.49	±9.6
10973	AAB	5G NR (DFT-S-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	11.59	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.06 10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	±9.6 ±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
<b></b>	·				

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	<u>.                                     </u>	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD		
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)		· · · · · · · · · · · · · · · · · ·	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	V.00	±9.6
10988	AAA	SG NR DL (CR OFDM, TM 3.1, 80 MHz, 64 QAM, 30 KHz)	5G NR FR1 TDD	9.53	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10999		5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6

 $<sup>^{\</sup>mathsf{E}}$  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 Zurlch, Switzerland





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Client

Element

Accreditation No.: SCS 0108

Certificate No: EX3-7659\_Apr22

## CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7659

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v6, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

April 20, 2022

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	13-Oct-21 (No. DAE4-660_Oct21)	Oct-22
Reference Probe ES3DV2	SN: 3013	27-Dec-21 (No. ES3-3013_Dec21)	Dec-22
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-20)	In house check; Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22

Name **Function** Calibrated by: Leif Klysner Laboratory Technician Approved by: Sven Kühn Deputy Manager

Issued: April 21, 2022

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

#### **Calibration Laboratory of**

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#### Glossary:

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

DCP diode compression point

CF crest factor (1/duty\_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ rotation around probe axis

Polarization 9 9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 0 is normal to probe axis

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

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

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

#### Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 9 = 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 (no uncertainty required). 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).

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7659

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.72	0.60	0.60	± 10.1 %
DCP (mV)B	102.9	101.1	100.8	

Calibration Posults for Modulation Response

UID	ion Results for Modulation Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>e</sup> (k≕2)
0	CW	X	0.00	0.00	1.00	0.00	146.8	± 2.2 %	± 4.7 %
		Y	0.00	0.00	1.00		160.7		
		Z	0.00	0.00	1.00		156.5		
10352-	Pulse Waveform (200Hz, 10%)	X	1.54	60.64	6.32	10.00	60.0	± 3.4 %	± 9.6 %
AAA		Y	1.54	60.81	6.57		60.0		
		Z	1.44	60.19	5.84		60.0		,
10353-	Pulse Waveform (200Hz, 20%)	X	0.77	60.00	4.74	6.99	80.0	± 2.2 %	± 9.6 %
AAA	i i	Y	0.76	60.00	4.95		80.0		
		Z	0.81	60.00	4.37		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.01	126.93	0.57	3.98	95.0	± 2.2 %	± 9.6 %
AAA		Y	0.14	137.33	0.64		95.0		
		Z	4.69	110.83	0.31		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	16.96	150.34	11.03	2.22	120.0	± 1.5 %	±9.6%
AAA		Y	8.22	159.51	25.32		120.0		
		Z	1.01	159.98	1.58		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.78	64.52	12.33	1.00	150.0	± 4.2 %	± 9.6 %
AAA		Y	0.81	65.44	13.19		150.0		
		Z	0.78	66.50	13.27		150.0		
10388-	QPSK Waveform, 10 MHz	X	1.47	65.21	13.80	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Y	1.53	65.88	14.31		150.0	]	
		Z	1.51	66.59	14.51		150.0		
10396-	64-QAM Waveform, 100 kHz	X	1.68	64.12	15.76	3.01	150.0	± 1.5 %	± 9.6 %
AAA		Y	1.72	64.51	17.03		150.0	_	
		Z	1.67	64.80	16.47		150.0		
10399-	64-QAM Waveform, 40 MHz	X	2.95	65.93	14.93	0.00	150.0	± 2.1 %	± 9.6 %
AAA		Y	2.98	66.12	15.14		150.0		
		Z	2.97	66.50	15.31		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.05	65.54	15.18	0.00	150.0	± 4.0 %	± 9.6 %
AAA		Υ	4.06	65.68	15.33		150.0	]	
		Z	4.04	65.99	15.47	ļ	150.0		

Note: For details on UID parameters see Appendix

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

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

B Numerical linearization parameter: uncertainty not required.

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

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7659

#### **Sensor Model Parameters**

	C1 fF	C2 fF	α V-1	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	T6
X	13.9	102.74	34.55	0.92	0.00	4.90	0.38	0.00	1.00
Υ	13.4	99.16	34.95	0.92	0.00	4.90	0.00	0.00	1.01
Z	12.6	93.77	35.22	1.52	0.00	4.90	0.28	0.00	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	168.9
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.

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7659

#### Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	41.9	0.89	10.93	10.93	10.93	0.53	0.80	± 12.0 %
835	41.5	0.90	10.65	10.65	10.65	0.54	0.80	± 12.0 %
1750	40.1	1.37	9,43	9.43	9.43	0.26	0.86	± 12.0 %
1900	40.0	1.40	9.18	9.18	9.18	0.29	0.86	± 12.0 %
2300	39.5	1.67	8.81	8.81	8.81	0.31	0.90	± 12.0 %
2450	39.2	1.80	8.74	8.74	8.74	0.32	0.90	± 12.0 %
2600	39.0	1.96	8.41	8.41	8.41	0.35	0.90	± 12.0 %
5250	35.9	4.71	5.84	5.84	5.84	0.40	1.80	± 14.0 %
5600	35.5	5.07	5.26	5.26	5.26	0.40	1.80	± 14.0 %
5750	35.4	5.22	5.36	5.36	5.36	0.40	1.80	± 14.0 %
5850	35.2	5.32	5.15	5.15	5.15	0.40	1.80	± 14.0 %

<sup>°</sup> 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 At frequencies up to 6 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to

measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

Galpha/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.

#### DASY/EASY - Parameters of Probe: EX3DV4 - SN:7659

#### Calibration Parameter Determined in Body Tissue Simulating Media

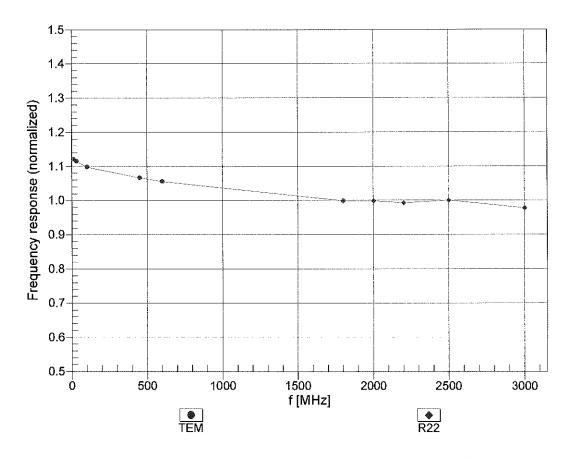
f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	10.86	10.86	10.86	0.49	0.80	± 12.0 %
835	55.2	0.97	10.62	10.62	10.62	0.40	0.80	± 12.0 %
1750	53.4	1.49	9.55	9.55	9.55	0.36	0.86	± 12.0 %
1900	53.3	1.52	9.14	9.14	9.14	0.32	0.86	± 12.0 %
2300	52.9	1.81	8.91	8.91	8.91	0.45	0.90	± 12.0 %
2450	52.7	1.95	8.81	8.81	8.81	0.36	0.90	± 12.0 %
2600	52.5	2.16	8.42	8.42	8.42	0.35	0.90	± 12.0 %
5250	48.9	5.36	5.21	5.21	5.21	0.50	1.90	± 14.0 %
5600	48.5	5.77	4.60	4.60	4.60	0.50	1.90	± 14.0 %
5750	48.3	5.94	4.67	4.67	4.67	0.50	1.90	± 14.0 %
5850	48.1	6.06	4.49	4.49	4.49	0.50	1.90	± 14.0 %

<sup>&</sup>lt;sup>c</sup> 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 At frequencies up to 6 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>&</sup>lt;sup>G</sup> 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)

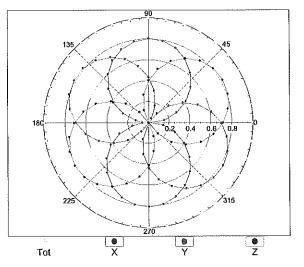


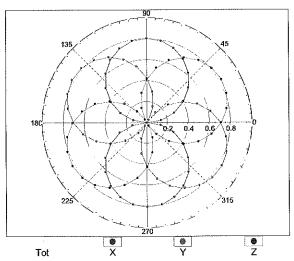
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

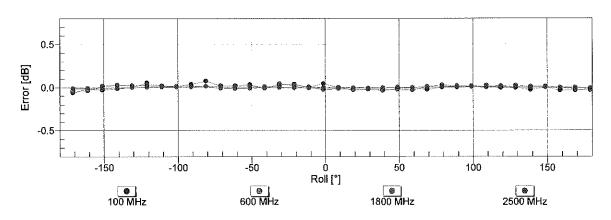
## Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22



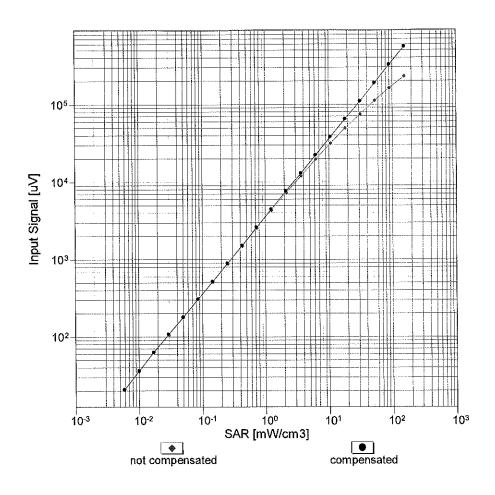


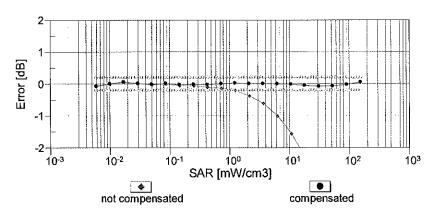


Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

## Dynamic Range f(SAR<sub>head</sub>)

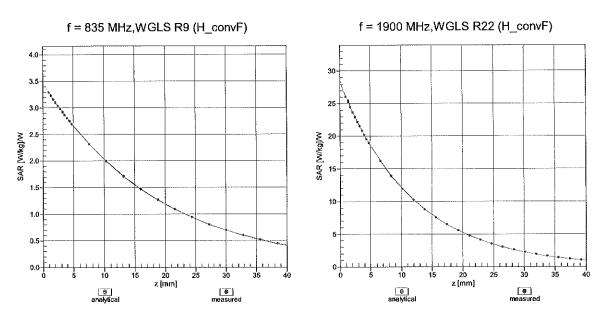
(TEM cell , feval= 1900 MHz)



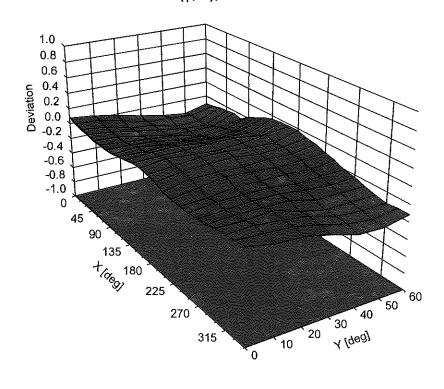


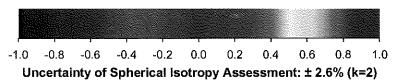
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

### **Conversion Factor Assessment**



### **Deviation from Isotropy in Liquid** Error (φ, θ), f = 900 MHz





Appendix: Modulation Calibration Parameters

ÚID	Rev	odulation Calibration Parameters  Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> (k=2)
0		CW	cw	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10010	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10017	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 %
10021	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10024	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10020	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10029	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)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802,15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10038	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10039	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10042	CAB	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10044	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6%
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Stot, 12)	DECT	10.79	± 9.6 %
10049	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10058	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10065 10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 40 Mbps)	WLAN	10.56	± 9.6 %
10069	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10071		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.62	± 9.6 %
10072	CAB 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			WLAN	10.77	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB		WLAN	11.00	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	CDMA2000	3.97	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	AMPS	4.77	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fulirate)	GSM -	6.56	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	WCDMA	3.98	± 9.6 %
10097 10098	CAB CAB	UMTS-FDD (HSDPA) UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
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10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6%
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6%
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6%
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6%
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6%
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10,05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160		LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
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10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8,08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	<del> </del>	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9,20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 30 % RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 04-QAM)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TOD	9.98	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10200	LOVD	LTE-TOO (OO-1 DIVIN, 100 /8 IND, 3 WITZ, 04"Q/NVI)	LIETIDD	9.97	1 3.0 /0

			(TE TDD	0.24	± 9.6 %
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6%
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6%
10275	CAB	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 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10297	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10292	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
		CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10295	AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10297	AAD		LTE-FDD	5.72	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)		6.39	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD		± 9.6 %
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	±9.6%
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)		WiMAX	14.67	± 9.6 %
10307	7 AAA IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)		WiMAX	14.49	± 9.6 %
10308	308 AAA IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)		WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WiMAX	14.57	± 9.6 %
10311	AAD	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 dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	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 %
10330	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 %
	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10399	<del></del>	<u> </u>	WLAN	8.37	± 9.6 %
10400	AAE	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)		+	± 9.6 %
10401	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	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	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %

	1		T 0	0.54	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6%
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451			WCDMA	7.59	± 9.6 %
10453	0453 AAD Validation (Square, 10ms, 1ms)		Test	10.00	± 9.6 %
10456	66 AAC IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)		WLAN	8.63	± 9.6 %
10457	AAA	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	460 AAA UMTS-FDD (WCDMA, AMR) W		WCDMA	2.39	± 9.6 %
10461	0461 AAB LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub) LTE-TDD		LTE-TDD	7.82	± 9.6 %
10462			LTE-TDD	8.30	± 9.6 %
10463			LTE-TDD	8.56	± 9.6 %
10464			LTE-TDD	7.82	± 9.6 %
10465			LTE-TDD	8.32	± 9.6 %
10466			LTE-TDD	8.57	± 9.6 %
10467			LTE-TDD	7.82	± 9.6 %
10468			LTE-TDD	8.32	± 9.6 %
10469			LTE-TDD	8.56	± 9.6 %
10470			LTE-TDD	7.82	± 9.6 %
10471			LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8,18	± 9.6 %
10480				8.45	± 9.6 %
10481			LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10400	1 441	ETE TOD (00-1 DIWA, 00 // TO, 10 IVITIZ, QL ON, 0E 000)	1 515-100	1.10	1 4 0.0 /0

40400	AAE 1	LTE TDD (CO EDMA 500) DD 40 MHz 46 OAM LIL Sub)	LTE TOD	8.31	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TOD	8.54	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	7.74	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	<del>                                     </del>	± 9.6 %
<del>                                     </del>	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	
	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
$\vdash$	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
} <u>-</u>	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
<del></del>	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
<del>                                     </del>	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
<b>—</b>	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6%
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8,55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	±9.6%
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
<del></del>	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	±9.6%
	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10544	7770		······································		
<del></del>	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 % ± 9.6 %

10548					T =	1
10550   AAC	10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10551 AAC   IEEE 802,11ac WHF (80MHz, MCSF, 98pc dc)   WLAN   8.50   2.9 6 %	10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN		1
10552   AAC	10550	AAC	IEEE 802,11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN		
10583   AAC	10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)			
10555   AAD	10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN		
10555   AAD	10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10556	10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	
10557   AAD	10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	
10556   AAD	10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	<del></del>	
10560   AAD	10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	<del></del>
10561   AAD	10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10562   AAD	10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10563   AAA	10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10566	10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10565	10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10566   AAA	10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	
10567   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)   WLAN   8.00   ± 9.6 %	10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10568   AAA   IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10569   AAA	10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10570	10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10571 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9.6 % 10572 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc dc) WLAN 1.99 ± 9.6 % 10573 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9.6 % 10574 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 1.1 Mbps, 90pc dc) WLAN 1.98 ± 9.6 % 10575 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc dc) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9.6 % 10576 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9.6 % 10578 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9.6 % 10579 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10580 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10582 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 56 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10583 AAC IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 56 Wbps, 90pc dc) WLAN 8.67 ± 9.6 % 10583 AAC IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10586 AAC IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10586 AAC IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10586 AAC IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10586 AAC IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10589 AAC IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10589 AAC IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10589 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) WLAN 8.67 ± 9.6 % 10589 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) WLAN 8.67 ± 9.6 % 10589 AAC IEEE 802.11n (HT Mixed,	10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10572   AAA	10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10573   AAA	10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10574   AAA	10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10575   AAA	10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10576	10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10576	10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10578   AAA	·	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10579	10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10579	10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10580   AAA	10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9.6 % 10583 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9.6 % 10584 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9.6 % 10585 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9.6 % 10586 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9.6 % 10587 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10587 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10588 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9.6 % 10589 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9.6 % 10590 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9.6 % 10591 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9.6 % 10591 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9.6 % 10592 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) WLAN 8.63 ± 9.6 % 10593 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) WLAN 8.79 ± 9.6 % 10593 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) WLAN 8.74 ± 9.6 % 10594 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) WLAN 8.74 ± 9.6 % 10595 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) WLAN 8.74 ± 9.6 % 10596 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) WLAN 8.71 ± 9.6 % 10596 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) WLAN 8.71 ± 9.6 % 10599 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) WLAN 8.71 ± 9.6 % 10599 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) WLAN 8.79 ± 9.6 % 10599 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) WLAN 8.79 ± 9.6 % 10599 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) WLAN 8.80 ± 9.6 % 10509 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) WLAN 8.80 ± 9.6 % 10509 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) WLAN 8.80 ± 9.6 % 10509 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) WLAN 8.80 ± 9.6 % 10509 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) WLA	10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10583 AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)   WLAN   8.59   ± 9.6 %	10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10584   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)   WLAN   8.60   ± 9.6 %   10585   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)   WLAN   8.70   ± 9.6 %   10586   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)   WLAN   8.49   ± 9.6 %   10587   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)   WLAN   8.36   ± 9.6 %   10588   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)   WLAN   8.36   ± 9.6 %   10589   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)   WLAN   8.35   ± 9.6 %   10590   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)   WLAN   8.67   ± 9.6 %   10591   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)   WLAN   8.63   ± 9.6 %   10591   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS0, 90pc dc)   WLAN   8.63   ± 9.6 %   10592   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS1, 90pc dc)   WLAN   8.79   ± 9.6 %   10593   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS2, 90pc dc)   WLAN   8.74   ± 9.6 %   10595   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS3, 90pc dc)   WLAN   8.74   ± 9.6 %   10596   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS4, 90pc dc)   WLAN   8.74   ± 9.6 %   10596   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS5, 90pc dc)   WLAN   8.71   ± 9.6 %   10597   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS5, 90pc dc)   WLAN   8.72   ± 9.6 %   10599   AAC   IEEE 802.11a (HT Mixed, 20MHz, MCS6, 90pc dc)   WLAN   8.79   ± 9.6 %   10599   AAC   IEEE 802.11a (HT Mixed, 40MHz, MCS6, 90pc dc)   WLAN   8.79   ± 9.6 %   10600   AAC   IEEE 802.11a (HT Mixed, 40MHz, MCS1, 90pc dc)   WLAN   8.79   ± 9.6 %   10600   AAC   IEEE 802.11a (HT Mixed, 40MHz, MCS1, 90pc dc)   WLAN   8.80   ± 9.6 %   10600   AAC   IEEE 802.11a (HT Mixed, 40MHz, MCS1, 90pc dc)   WLAN   8.88   ± 9.6 %   10600   AAC   IEEE 802.11a (HT Mixed, 40MHz, MCS2, 90pc dc)   WLAN   8.89   ± 9.6 %   10600   AAC   IEEE 802.11a (HT Mixed, 40MHz, MCS3, 90pc dc)   WLAN   8.94   ± 9.6 %   10600   AAC   IEEE 802.11a (HT Mixed, 40MHz, MCS3, 90pc dc)   WLAN   8.94   ± 9.6 %   10600   AAC   IEEE 802.11a	10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10585   AAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)   WLAN   8.70   ± 9.6 %	10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10586 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9.6 % 10587 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9.6 % 10588 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9.6 % 10589 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9.6 % 10590 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9.6 % 10591 AAC IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.63 ± 9.6 % 10592 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) WLAN 8.79 ± 9.6 % 10593 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) WLAN 8.64 ± 9.6 % 10594 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) WLAN 8.74 ± 9.6 % 10595 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) WLAN 8.74 ± 9.6 % 10596 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) WLAN 8.71 ± 9.6 % 10597 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) WLAN 8.71 ± 9.6 % 10598 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) WLAN 8.72 ± 9.6 % 10599 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) WLAN 8.79 ± 9.6 % 10599 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) WLAN 8.79 ± 9.6 % 10500 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) WLAN 8.79 ± 9.6 % 10600 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) WLAN 8.88 ± 9.6 % 10601 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) WLAN 8.88 ± 9.6 % 10602 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) WLAN 8.94 ± 9.6 % 10602 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) WLAN 8.94 ± 9.6 %	10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10587         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)         WLAN         8.36         ± 9.6 %           10588         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)         WLAN         8.76         ± 9.6 %           10589         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)         WLAN         8.35         ± 9.6 %           10590         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)         WLAN         8.67         ± 9.6 %           10591         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)         WLAN         8.63         ± 9.6 %           10592         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)         WLAN         8.79         ± 9.6 %           10593         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)         WLAN         8.64         ± 9.6 %           10594         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)         WLAN         8.74         ± 9.6 %           10595         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)         WLAN         8.71         ± 9.6 %           10596         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)         WLAN         8.72         ± 9.6 %           10597         AAC         IEEE 802.	10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10588         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)         WLAN         8.76         ± 9.6 %           10589         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)         WLAN         8.35         ± 9.6 %           10590         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)         WLAN         8.67         ± 9.6 %           10591         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)         WLAN         8.63         ± 9.6 %           10592         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)         WLAN         8.79         ± 9.6 %           10593         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)         WLAN         8.64         ± 9.6 %           10594         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)         WLAN         8.74         ± 9.6 %           10595         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)         WLAN         8.71         ± 9.6 %           10596         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)         WLAN         8.71         ± 9.6 %           10597         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)         WLAN         8.72         ± 9.6 %           10598         AAC         IEEE 802.11n (	10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10589         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)         WLAN         8.35         ± 9.6 %           10590         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)         WLAN         8.67         ± 9.6 %           10591         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)         WLAN         8.63         ± 9.6 %           10592         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)         WLAN         8.79         ± 9.6 %           10593         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)         WLAN         8.64         ± 9.6 %           10594         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)         WLAN         8.74         ± 9.6 %           10595         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)         WLAN         8.74         ± 9.6 %           10596         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)         WLAN         8.71         ± 9.6 %           10597         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)         WLAN         8.72         ± 9.6 %           10598         AAC         IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)         WLAN         8.79         ± 9.6 %           10600         AAC         IEEE 802.11n (HT Mi	10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10589         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)         WLAN         8.35         ± 9.6 %           10590         AAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)         WLAN         8.67         ± 9.6 %           10591         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)         WLAN         8.63         ± 9.6 %           10592         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)         WLAN         8.79         ± 9.6 %           10593         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)         WLAN         8.64         ± 9.6 %           10594         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)         WLAN         8.74         ± 9.6 %           10595         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)         WLAN         8.74         ± 9.6 %           10596         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)         WLAN         8.71         ± 9.6 %           10597         AAC         IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)         WLAN         8.72         ± 9.6 %           10598         AAC         IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)         WLAN         8.79         ± 9.6 %           10600         AAC         IEEE 802.11n (HT Mi	10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10591       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)       WLAN       8.63       ± 9.6 %         10592       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)       WLAN       8.79       ± 9.6 %         10593       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)       WLAN       8.64       ± 9.6 %         10594       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)       WLAN       8.74       ± 9.6 %         10595       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)       WLAN       8.71       ± 9.6 %         10596       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)       WLAN       8.71       ± 9.6 %         10597       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)       WLAN       8.72       ± 9.6 %         10598       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10599       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)       WLAN       8.79       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10	10589	<del></del>	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10591       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)       WLAN       8.63       ± 9.6 %         10592       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)       WLAN       8.79       ± 9.6 %         10593       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)       WLAN       8.64       ± 9.6 %         10594       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)       WLAN       8.74       ± 9.6 %         10595       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)       WLAN       8.71       ± 9.6 %         10596       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)       WLAN       8.72       ± 9.6 %         10597       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10598       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)       WLAN       8.82       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10	10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10593 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) WLAN 8.64 ± 9.6 % 10594 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) WLAN 8.74 ± 9.6 % 10595 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) WLAN 8.74 ± 9.6 % 10596 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) WLAN 8.71 ± 9.6 % 10597 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) WLAN 8.72 ± 9.6 % 10598 AAC IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) WLAN 8.50 ± 9.6 % 10599 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) WLAN 8.79 ± 9.6 % 10600 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) WLAN 8.88 ± 9.6 % 10601 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) WLAN 8.82 ± 9.6 % 10602 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) WLAN 8.82 ± 9.6 % 10603 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) WLAN 8.94 ± 9.6 %	10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10593       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)       WLAN       8.64       ± 9.6 %         10594       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)       WLAN       8.74       ± 9.6 %         10595       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)       WLAN       8.74       ± 9.6 %         10596       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)       WLAN       8.71       ± 9.6 %         10597       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)       WLAN       8.72       ± 9.6 %         10598       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10599       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)       WLAN       8.79       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %	10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10594       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)       WLAN       8.74       ± 9.6 %         10595       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)       WLAN       8.74       ± 9.6 %         10596       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)       WLAN       8.71       ± 9.6 %         10597       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)       WLAN       8.72       ± 9.6 %         10598       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10599       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)       WLAN       8.79       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %		AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10595       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)       WLAN       8.74       ± 9.6 %         10596       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)       WLAN       8.71       ± 9.6 %         10597       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)       WLAN       8.72       ± 9.6 %         10598       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10599       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)       WLAN       8.79       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %	10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10596       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)       WLAN       8.71       ± 9.6 %         10597       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)       WLAN       8.72       ± 9.6 %         10598       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10599       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)       WLAN       8.79       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %	10595		IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10598       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10599       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)       WLAN       8.79       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)       WLAN       8.82       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %	10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10598       AAC       IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)       WLAN       8.50       ± 9.6 %         10599       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)       WLAN       8.79       ± 9.6 %         10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)       WLAN       8.82       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %	10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10600       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)       WLAN       8.88       ± 9.6 %         10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)       WLAN       8.82       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %		AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)       WLAN       8.82       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %	10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10601       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)       WLAN       8.82       ± 9.6 %         10602       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)       WLAN       8.94       ± 9.6 %         10603       AAC       IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)       WLAN       9.03       ± 9.6 %	10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10603 AAC IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) WLAN 9.03 ± 9.6 %	10601		IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
	10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
	10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604 AAC   IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)   WLAN   8.76   ± 9.6 %	10604	+	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %

		IEEE COO 44 (UE Mind 40MH MOCC 00m do)	N/LAN	8.97	± 9.6 %
10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.82	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN		± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802,11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638			8.86	± 9.6 %	
10639			8.85	± 9.6 %	
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	+	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	<del></del>	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
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10673 AAC IEEE 802.	11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674 AAC   IEEE 802.	11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675 AAC   IEEE 802.1	11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676 AAC IEEE 802.	11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677 AAC IEEE 802.	11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678 AAC IEEE 802.	11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679 AAC IEEE 802.	11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680 AAC IEEE 802.	11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681 AAC IEEE 802.	11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682 AAC IEEE 802.	11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683 AAC IEEE 802.	11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684 AAC IEEE 802.	11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685 AAC IEEE 802.	11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686 AAC   IEEE 802.	11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687 AAC IEEE 802.	11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688 AAC IEEE 802.	11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689 AAC IEEE 802.	11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690 AAC IEEE 802.	11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6%
10691 AAC IEEE 802.	11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692 AAC IEEE 802.	11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693 AAC IEEE 802.	11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694 AAC IEEE 802.	11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695 AAC   IEEE 802.	11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696 AAC IEEE 802.	11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697 AAC IEEE 802.	11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698 AAC   IEEE 802.	11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699 AAC IEEE 802.	11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700 AAC IEEE 802.	11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701 AAC IEEE 802.	11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702 AAC IEEE 802.	11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703   AAC   IEEE 802.	11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704 AAC   IEEE 802.	11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705 AAC   IEEE 802.	11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706 AAC IEEE 802.	11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707 AAC   IEEE 802.	11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708 AAC   IEEE 802.	11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709 AAC   IEEE 802.	11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710 AAC IEEE 802.	11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
<del></del>	11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
	11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
	11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
	11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
	11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
	11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
<del></del>	11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
<del></del>	11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
· · · · · · · · · · · · · · · · · · ·	11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
	11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
	11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
	11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
	11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
	11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
	11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
	11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
	11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728   AAC   IEEE 802.	11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %

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10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6%
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	±9.6%
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6%
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6%
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6%
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6%
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6%
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6%
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6%
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6%
10780	AAD AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 % ± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.38	± 9.6 %
<del></del>	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	
10783 10784	AAD	5G NR (CP-OFDM, 100% RB, 3 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.31 8.29	±9.6% ±9.6%
10/04	רעעט	00 141 (OF -OF DW, 100 /0 NB, 10 WILLE, QCON, 10 KILL)	ן אס ואוז דתו וטט	0.29	1 2 3.0 /0

10786 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9. 10787 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9. 10789 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9. 10789 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9. 10790 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9. 10790 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.83 ± 9. 10791 AAD 5G NR (CP-OFDM, 18 B, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9. 10792 AAD 5G NR (CP-OFDM, 18 B, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9. 10793 AAD 5G NR (CP-OFDM, 18 B, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9. 10793 AAD 5G NR (CP-OFDM, 18 B, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10795 AAD 5G NR (CP-OFDM, 18 B, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10796 AAD 5G NR (CP-OFDM, 18 B, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10797 AAD 5G NR (CP-OFDM, 18 B, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10798 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10799 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10799 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10799 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9. 10799 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9. 10799 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9. 10801 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9. 10802 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9. 10803 AAD 5G NR (CP-OFDM, 18 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9. 10804 AAD 5G NR (CP-OFDM, 100% NR B, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9. 10805 AAD 5G NR (CP-OFDM, 50% NR B, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9. 10806 AAD 5G NR (CP-OFDM, 50% NR B, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9. 10807 AAD 5G NR (CP-OFDM, 50% NR B, 40 MHz, QPSK, 30 kHz) 5G NR FR1	± 9.6 %	0.40	CONDEDITOR	D CONTROL CONT	
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10788 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.37 ± 9 10798 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.37 ± 9 10790 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.83 ± 9 10791 AAE 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.83 ± 9 10792 AAD 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ± 9 10793 AAD 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ± 9 10793 AAD 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ± 9 10794 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ± 9 10795 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ± 9 10796 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ± 9 10797 AAD 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ± 9 10796 AAD 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ± 9 10797 AAD 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ± 9 10797 AAD 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ± 9 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ± 9 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ± 9 10801 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ± 9 10801 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ± 9 10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ± 9 10802 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.87 ± 9 10803 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ± 9 10802 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ± 9 10802 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.34 ± 9 10802 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.34 ± 9 10802 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.34 ± 9 10802 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.34 ± 9 10802 AAD 5G NR (CP-OFDM	± 9.6 %				
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10797 AAD 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9 10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9 10801 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9 10802 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ± 9 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ± 9 10803 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10806 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ± 9 10809 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10810 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10810 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ± 9 10817 AAE 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ± 9 10817 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ± 9 10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10819 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10823 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10823 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD	± 9.6 %				
10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9 10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ±9 10809 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10810 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10811 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10813 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10814 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10819 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10820 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10821 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10823 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10825 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10826 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10827 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10828 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10839 AAD 5G NR	± 9.6 %				
10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9 10802 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10806 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ±9 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10810 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10811 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10811 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10811 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10812 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10812 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10820 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9 10821 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.31 ±9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 50 kHz) 5G NR FR1 TDD 8.44 ±9 10824 AA	± 9.6 %				
10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ± 9 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ± 9 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10806 AAD 5G NR (CP-OFDM, 50% RB, 16 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10810 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10812 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ± 9 10817 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ± 9 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ± 9 10819 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ± 9 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ± 9 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 50 kHz) 5G NR FR1 TDD 8.42 ± 9 10822 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 50 kHz) 5G	± 9.6 %				
10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ±9 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10817 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10820 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9 10821 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9 10822 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10823 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10825 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10826 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10827 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10828 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ±9 10830 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ±9 10833 AAD 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ±9 10834 AAD 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ±9	± 9.6 %				
10803         AAD         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         7.93         ±9           10805         AAD         5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ±9           10806         AAD         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.37         ±9           10809         AAD         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ±9           10810         AAD         5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ±9           10812         AAD         5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.35         ±9           10817         AAE         5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.35         ±9           10818         AAD         5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ±9           10819         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.33         ±9           10820         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ±9           10821         AAD	± 9.6 %	<del>                                     </del>			
10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)  10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)  10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)  10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)  10811 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)  10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)  10813 AAD 5G NR (CP-OFDM, 100% RB, 56 MHz, QPSK, 30 kHz)  10814 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  10815 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  10816 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  10817 AAE 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  10821 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  10823 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  10824 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  10825 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  10826 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  10827 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  10828 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)  10830 AAD 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)  5G NR FR1 TDD 7.73 ± 55	± 9.6 %				
10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)  10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)  10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)  10811 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)  10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)  10813 AAE 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  10814 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)  10815 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  10816 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  10817 AAE 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  10819 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  10820 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)  10821 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  10823 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  10824 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  10825 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  10826 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10827 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10828 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10829 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  10820 5G NR FR1 TDD 8.43  10821 5G NR FR1 TDD 8.44  10822 5G NR FR1 TDD 8.45  10823 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)  10824 5G NR FR1 TDD 8.45  10825 5G NR FR1 TDD 8.47  10826 5G NR FR1 TDD 8.49  10827 5G NR FR1 TDD 8.49  10828 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)  10830 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)  5G NR FR1 TDD 7.73  10831 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)  5G NR FR1 TDD 7.74  10833 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)  5G NR FR1 TDD 7.75  10834 5G NR (CP-OFDM, 1 RB, 20 MHz, Q	± 9.6 %	-			
10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10817 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9 10821 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10823 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10824 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9 10825 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9 10826 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9 10827 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10828 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9 10829 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.73 ±9 10830 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ±9 10831 AAD 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ±9 10833 AAD 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10834 AAD 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10834 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10834 AAD 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10834 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ±9 10834 AAD 5G N	± 9.6 %				
10810       AAD       5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ± 9         10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ± 9         10817       AAE       5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ± 9         10818       AAD       5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ± 9         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ± 9         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ± 9         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ± 9         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ± 9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       <	± 9.6 %				
10812       AAD       5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9         10817       AAE       5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.35       ±9         10818       AAD       5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.34       ±9         10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ±9         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ±9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9         10826       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42 </td <td>± 9.6 %</td> <td><del> </del></td> <td></td> <td></td> <td></td>	± 9.6 %	<del> </del>			
10817         AAE         5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.35         ± 9           10818         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ± 9           10819         AAD         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.33         ± 9           10820         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.30         ± 9           10821         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ± 9           10822         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ± 9           10823         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ± 9           10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ± 9           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ± 9           10826         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ± 9           10829	± 9.6 %				
10818         AAD         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.34         ± 9           10819         AAD         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.33         ± 9           10820         AAD         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.30         ± 9           10821         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ± 9           10822         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ± 9           10823         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ± 9           10824         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.36         ± 9           10825         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.41         ± 9           10827         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.42         ± 9           10828         AAD         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         8.43         ± 9           10829	±9.6%	<del> </del>			- 1
10819       AAD       5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.33       ±9         10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ±9         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ±9         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ±9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ±9         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ±9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ±9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ±9         10830       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63 </td <td>± 9.6 %</td> <td></td> <td></td> <td></td> <td></td>	± 9.6 %				
10820       AAD       5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.30       ± 9         10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ± 9         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ± 9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ± 9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD <td< td=""><td>± 9.6 %</td><td><del>}</del></td><td></td><td></td><td></td></td<>	± 9.6 %	<del>}</del>			
10821       AAD       5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ± 9         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ± 9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ± 9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.	± 9.6 %	<del></del>			
10822       AAD       5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ± 9         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ± 9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ± 9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75<	± 9.6 %				
10823       AAD       5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.36       ± 9         10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ± 9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ± 9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 00% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.7	±9.6%				<del></del>
10824       AAD       5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.39       ± 9         10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ± 9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 % ± 9.6 %				
10825       AAD       5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.41       ± 9         10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ± 9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 %	<del> </del>			
10827       AAD       5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.42       ± 9         10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 %				
10828       AAD       5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.43       ± 9         10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 %	<del> </del>			
10829       AAD       5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       8.40       ± 9         10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 %	<del></del>		·····	
10830       AAD       5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.63       ± 9         10831       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 %				
10831       AAD       5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.73       ± 9         10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 %				
10832       AAD       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.74       ± 9         10833       AAD       5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.70       ± 9         10834       AAD       5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)       5G NR FR1 TDD       7.75       ± 9	± 9.6 %				
10833         AAD         5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         7.70         ± 9           10834         AAD         5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         7.75         ± 9	± 9.6 %				
10834 AAD 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ±9	± 9.6 %	1			
	± 9.6 %	+			
10000 1.000 1000 1000 1000 1000 1000 10	± 9.6 %				
10836 AAD 5G NR (CP-0FDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ±9	± 9.6 %	+	***		
	± 9.6 %	<del> </del>			-
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	±96%	·			
	±9.6%	<del></del>			
	± 9.6 %	8.35			
	±9.6 %	8.36			
	± 9.6 %	8.34		AD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	
10860 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9	± 9.6 %	8.41	5G NR FR1 TDD	AD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	10860

				I	0.00
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6%
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6%
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
		5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QFSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903 10904	AAB AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
				5.68	± 9.6 %
10905	AAB	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	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QFSK, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.78	± 9.6 %
10907	AAC			5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.96	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)			± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR 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	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6%
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6%
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	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, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 % ± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953 10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	8.15 8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 13 Whz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	± 9.6 %
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD		± 9.6 %

EX3DV4- SN:7659 April 20, 2022

10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	± 9.6 %
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 9.6 %

<sup>&</sup>lt;sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

#### Calibration Laboratory of

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

**PC Test** 

Certificate No: D1900V2-5d181\_Sep20

CALIBRATION CERTIFICATE

Object

D1900V2 - SN:5d181

A7M

W 10/30

Calibration procedure(s)

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

Calibration date:

September 10, 2020

A7M

9/10/2021

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

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

Calibration Equipment used (M&TE critical for calibration)

			•
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	01-Apr-20 (No. 217-03100/03101)	Apr-21
Power sensor NRP-Z91	SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
Power sensor NRP-Z91	SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
Reference 20 dB Attenuator	SN: BH9394 (20k)	31-Mar-20 (No. 217-03106)	Apr-21
Type-N mismatch combination	SN: 310982 / 06327	31-Mar-20 (No. 217-03104)	Apr-21
Reference Probe EX3DV4	SN: 7349	29-Jun-20 (No. EX3-7349_Jun20)	Jun-21
DAE4	SN: 601	27-Dec-19 (No. DAE4-601_Dec19)	Dec-20
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Feb-19)	In house check: Oct-20
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-18)	In house check: Oct-20
Power sensor HP 8481A	SN: MY41092317	07-Oct-15 (in house check Oct-18)	In house check: Oct-20
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-18)	In house check: Oct-20
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-19)	In house check: Oct-20
	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	(W)
Approved by:	Katja Pokovic	Technical Manager	

Issued: September 10, 2020

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

Certificate No: D1900V2-5d181\_Sep20

#### Calibration Laboratory of

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#### Glossary:

**TSL** 

tissue simulating liquid

ConvF

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

N/A

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### **Additional Documentation:**

e) DASY4/5 System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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

#### **Measurement Conditions**

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, $dy$ , $dz = 5 mm$	
Frequency	1900 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

tie following parameters and calculations were appli	Temperature	Permittivity	Conductivity	
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m	
Measured Head TSL parameters	(22.0 ± 0.2) °C 41.2 ± 6 % 1.37	1.37 mho/m ± 6 %		
Head TSL temperature change during test	< 0.5 °C			

#### SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.83 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	40.1 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	250 mW input power	5.14 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	20.8 W/kg ± 16.5 % (k=2)

#### **Body TSL parameters**

The following parameters and calculations were applied.

<u> </u>	Temperature	Permittivity	Conductivity	
Nominal Body TSL parameters	22.0 °C	53.3	1.52 mho/m	
Measured Body TSL parameters	(22.0 ± 0.2) °C	53.9 ± 6 %	1.49 mho/m ± 6 %	
Body TSL temperature change during test	< 0.5 °C	No and date life		

### SAR result with Body TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	9. <b>7</b> 9 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	39.7 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL	condition	
SAR measured	250 mW input power	5.20 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	21.0 W/kg ± 16.5 % (k=2)

Certificate No: D1900V2-5d181\_Sep20

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

#### Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.5 Ω + 3.5 jΩ
Return Loss	- 27.5 dB

#### **Antenna Parameters with Body TSL**

Impedance, transformed to feed point	48.8 Ω + 5.4 jΩ
Return Loss	- 25.0 dB

#### General Antenna Parameters and Design

Electrical Delay (one direction)	1.204 ns
1	

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: 10.09.2020

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d181

Communication System: UID 0 - CW; Frequency: 1900 MHz

Medium parameters used: f = 1900 MHz;  $\sigma = 1.37 \text{ S/m}$ ;  $\varepsilon_r = 41.2$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

#### DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(8.26, 8.26, 8.26) @ 1900 MHz; Calibrated: 29.06.2020

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

Electronics: DAE4 Sn601; Calibrated: 27.12.2019

Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001

• DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

Reference Value = 109.5 V/m; Power Drift = -0.02 dB

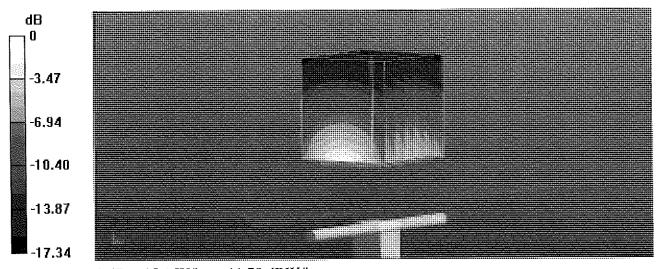
Peak SAR (extrapolated) = 18.1 W/kg

#### SAR(1 g) = 9.83 W/kg; SAR(10 g) = 5.14 W/kg

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

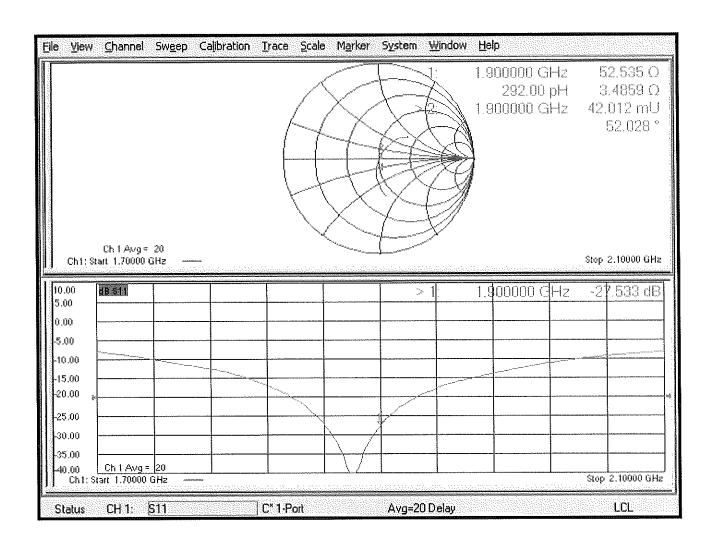
Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg = 11.79 dBW/kg

#### Impedance Measurement Plot for Head TSL



#### **DASY5 Validation Report for Body TSL**

Date: 10.09.2020

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d181

Communication System: UID 0 - CW; Frequency: 1900 MHz

Medium parameters used: f = 1900 MHz;  $\sigma = 1.49 \text{ S/m}$ ;  $\varepsilon_r = 53.9$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

#### DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(8.21, 8.21, 8.21) @ 1900 MHz; Calibrated: 29.06.2020

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

• Electronics: DAE4 Sn601; Calibrated: 27.12.2019

Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002

• DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

Reference Value = 105.3 V/m; Power Drift = -0.04 dB

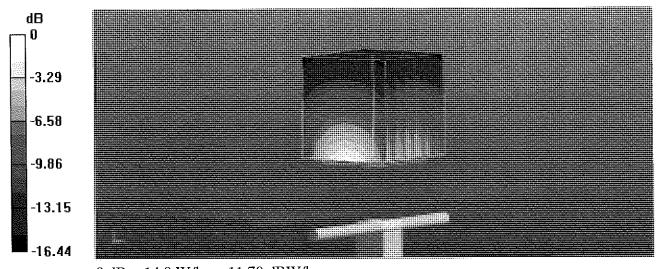
Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 9.79 W/kg; SAR(10 g) = 5.2 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

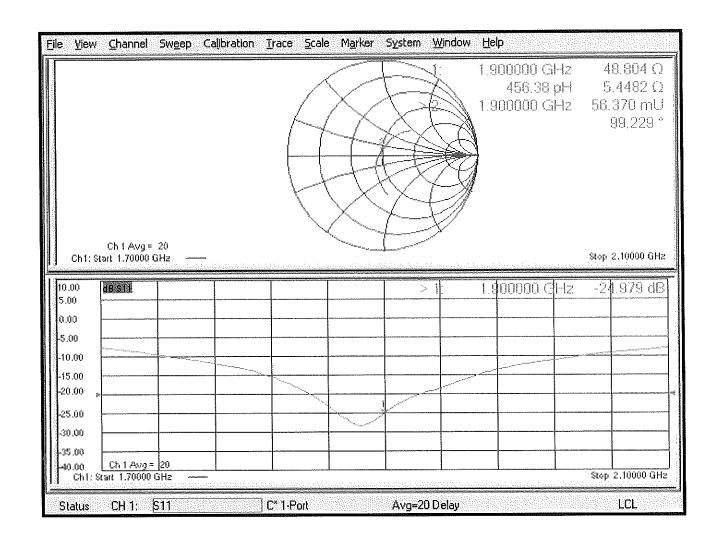
Ratio of SAR at M2 to SAR at M1 = 58.1%

Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 14.8 W/kg = 11.70 dBW/kg

#### Impedance Measurement Plot for Body TSL





#### **PCTEST**

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



## **Certification of Calibration**

Object D1900V2 – SN: 5d181

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

Extended Calibration date: September 10, 2021

Description: SAR Validation Dipole at 1900 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	8753ES	S-Parameter Network Analyzer	4/14/2021	Annual	4/14/2022	US39170118
Agilent	E4438C	ESG Vector Signal Generator	9/29/2020	Annual	9/29/2021	MY45093852
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Anritsu	ML2495A	Power Meter	1/18/2021	Annual	1/18/2022	0941001
Anritsu	MA2411B	Pulse Power Sensor	3/9/2021	Annual	3/9/2022	1207470
Anritsu	MA2411B	Pulse Power Sensor	3/8/2021	Annual	3/8/2022	1339007
Control Company	4040	Therm./ Clock/ Humidity Monitor	3/12/2021	Biennial	3/12/2023	210201956
Control Company	4353	Long Stem Thermometer	10/28/2020	Biennial	10/28/2022	200670653
Agilent	85033E	3.5mm Standard Calibration Kit	7/7/2021	Annual	7/7/2022	MY53402352
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Pasternack	PE2209-10	Bidirectional Coupler	CBT	N/A	CBT	N/A
Pasternack	NC-100	Torque Wrench	8/4/2020	Biennial	8/4/2022	N/A
SPEAG	DAK-3.5	Dielectric Assessment Kit	5/12/2021	Annual	5/12/2022	1070
SPEAG	DAE4	Data Acquisition Electronics	4/13/2021	Annual	4/13/2022	501
SPEAG	EX3DV4	SAR Probe	4/19/2021	Annual	4/19/2022	7532

#### Measurement Uncertainty = ±23% (k=2)

	Name	Function	Signature
Calibrated By:	Parker Jones	Team Lead Engineer	Parker Jones
Approved By:	Kaitlin O'Keefe	Managing Director	20K

Object:	Date Issued:	Page 1 of 4		
D1900V2 - SN: 5d181	09/10/2021	Page 1 of 4		

#### **DIPOLE CALIBRATION EXTENSION**

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

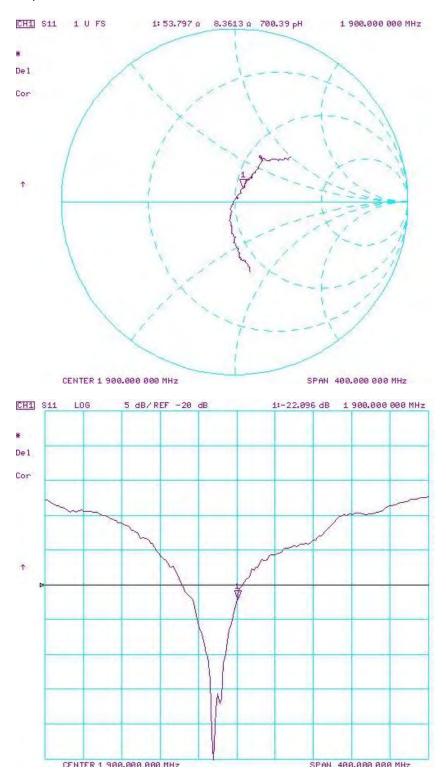
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance does not deviate more than  $5\Omega$  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 @ 20.0 dBm	W/ka @ 20.0	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	(10a) W/ka @	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 (%)	PASS/FAIL
9/10/2020	9/10/2021	1.204	4.01	4.26	6.23%	2.08	2.19	5.29%	52.5	53.8	1.3	3.5	8.4	4.9	-27.5	-22.1	19.70%	PASS
Calibration Date	Extension Date	Certificate Electrical Delay (ns)		Measured Body SAR (1g) W/kg @ 20.0 dBm	(0/3	Certificate SAR Target Body (10g) W/kg @ 20.0 dBm	(40=) M///- (9)	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real	Measured Impedance Body (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary	Measured Impedance Body (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
9/10/2020	9/10/2021	1.204	3.97	3.96	-0.25%	2.1	2.06	-1.90%	48.8	46.5	2.3	5.4	4.1	1.3	-25.0	-24.9	0.20%	PASS

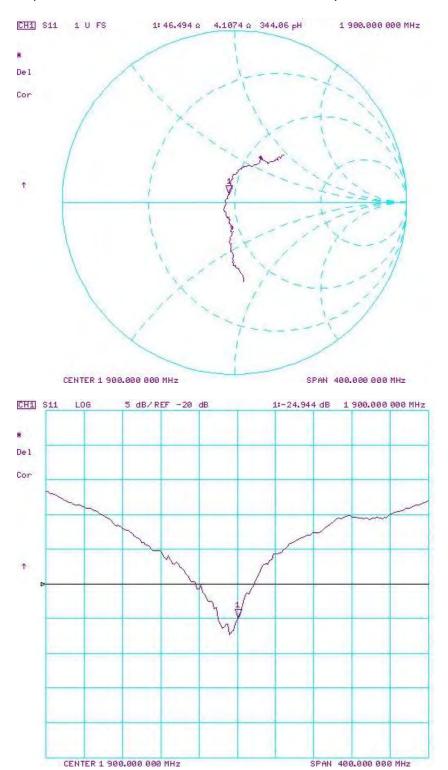
Object:	Date Issued:	Page 2 of 4		
D1900V2 - SN: 5d181	09/10/2021	Fage 2 01 4		

## Impedance & Return-Loss Measurement Plot for Head TSL



Object:	Date Issued:	Page 3 of 4
D1900V2 - SN: 5d181	09/10/2021	rage 3 01 4

## $Impedance \,\&\, Return-Loss \,Measurement \,Plot \,for \,Body \,TSL$



Object:	Date Issued:	Page 4 of 4
D1900V2 - SN: 5d181	09/10/2021	raye 4 01 4

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Client

**Element** 

Certificate No: CLA13-1002\_Sep22

## CALIBRATION CERTIFICATE

Object

CLA13 - SN: 1002

Calibration procedure(s)

QA CAL-15.v9

Calibration Procedure for SAR Validation Sources below 700 MHz

Calibration date:

September 13, 2022

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	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: 3877	31-Dec-21 (No, EX3-3877_Dec21)	Dec-22
DAE4	SN: 654	26-Jan-22 (No. DAE4-654_Jan22)	Jan-23
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 Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22
	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Techniclan	
			RIEX!
Approved by:	Sven Kühn	Technical Manager	
			11/1

Issued: September 16, 2022

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Certificate No: CLA13-1002\_Sep22

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

## **Head TSL parameters**

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	55.0	0.75 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	53.5 ± 6 %	0.72 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	1 W input power	0.542 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	0.557 W/kg ± 18.4 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	1 W input power	0.337 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	0.346 W/kg ± 18.0 % (k=2)

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

## **Antenna Parameters with Head TSL**

Impedance, transformed to feed point	55.2 Ω + 16.0 jΩ	
Return Loss	- 16.0 dB	

## **Additional EUT Data**

Manufactured by	SPEAG
,	

Certificate No: CLA13-1002\_Sep22 Page 4 of 6

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

Date: 13.09.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: CLA13; Type: CLA13; Serial: CLA13 - SN: 1002

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

Medium parameters used: f = 13 MHz;  $\sigma = 0.72$  S/m;  $\varepsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

#### DASY52 Configuration:

Probe: EX3DV4 - SN3877; ConvF(15.33, 15.33, 15.33) @ 13 MHz; Calibrated: 31.12.2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn654; Calibrated: 26.01.2022

Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003

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

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

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

Reference Value = 31.16 V/m; Power Drift = 0.03 dB

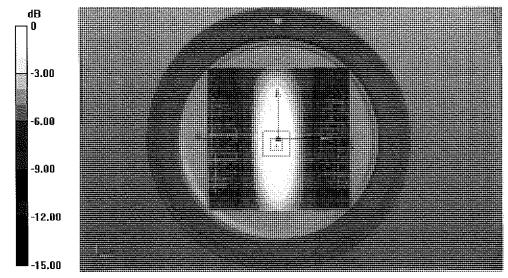
Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.337 W/kg

Smallest distance from peaks to all points 3 dB below = 19.8 mm

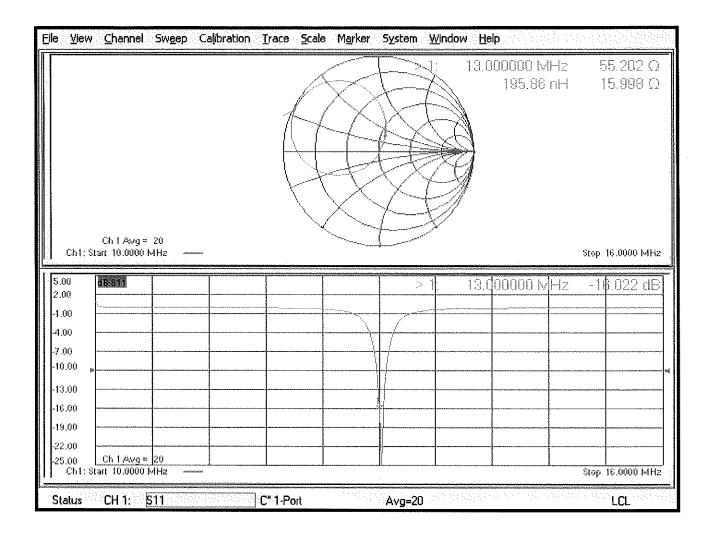
Ratio of SAR at M2 to SAR at M1 = 78.7%

Maximum value of SAR (measured) = 0.799 W/kg



0 dB = 0.799 W/kg = -0.97 dBW/kg

## Impedance Measurement Plot for Head TSL



## **Calibration Laboratory of**

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

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Client

**PC Test** 

Certificate No: D1765V2-1008\_May21

## **CALIBRATION CERTIFICATE**

Object

D1765V2 - SN:1008

Calibration procedure(s)

QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

Calibration date:

May 14, 2021

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

All calibrations have been conducted in the closed laboratory facility: environment temperature  $(22 \pm 3)^{\circ}$ C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	09-Apr-21 (No. 217-03291/03292)	Apr-22
Power sensor NRP-Z91	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-Z91	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22
Reference 20 dB Attenuator	SN: BH9394 (20k)	09-Apr-21 (No. 217-03343)	Apr-22
Type-N mismatch combination	SN: 310982 / 06327	09-Apr-21 (No. 217-03344)	Apr-22
Reference Probe EX3DV4	SN: 7349	28-Dec-20 (No. EX3-7349_Dec20)	Dec-21
DAE4	SN: 601	02-Nov-20 (No. DAE4-601_Nov20)	Nov-21
		,	
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: MY41092317	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-21
		,	
	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
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Approved by:	Katja Pokovic	Technical Manager	
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Issued: May 17, 2021

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

Certificate No: D1765V2-1008\_May21

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## **Calibration Laboratory of**

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Accreditation No.: SCS 0108

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#### Glossary:

TSL

tissue simulating liquid

ConvF N/A sensitivity in TSL / NORM x,y,z

not applicable or not measured

## Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### **Additional Documentation:**

e) DASY4/5 System Handbook

## **Methods Applied and Interpretation of Parameters:**

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

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

#### **Measurement Conditions**

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, $dy$ , $dz = 5 mm$	
Frequency	1750 MHz ± 1 MHz	

## **Head TSL parameters**

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.1	1.37 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	40.6 ± 6 %	1.37 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

#### SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.29 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	37.4 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	250 mW input power	4.87 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	19.6 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	53.4	1.49 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	54.1 ± 6 %	1.49 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

## **SAR** result with Body TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	9.38 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	37.8 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL	condition	
SAR measured	250 mW input power	4.95 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	19.9 W/kg ± 16.5 % (k=2)

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

#### **Antenna Parameters with Head TSL**

Impedance, transformed to feed point	48.3 Ω - 5.9 jΩ
Return Loss	- 24.2 dB

## **Antenna Parameters with Body TSL**

Impedance, transformed to feed point	44.3 Ω - 6.9 jΩ
Return Loss	- 20.5 dB

## **General Antenna Parameters and Design**

Electrical Delay (one direction)	
Liectrical Delay (one direction)	1.212 ns
	1,212110

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
<u> </u>	

Certificate No: D1765V2-1008\_May21 Page 4 of 8

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

Date: 14.05.2021

Test Laboratory: SPEAG, Zurich, Switzerland

## DUT: Dipole 1765 MHz; Type: D1765V2; Serial: D1765V2 - SN:1008

Communication System: UID 0 - CW; Frequency: 1750 MHz

Medium parameters used: f = 1750 MHz;  $\sigma = 1.37$  S/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

#### DASY52 Configuration:

• Probe: EX3DV4 - SN7349; ConvF(8.67, 8.67, 8.67) @ 1750 MHz; Calibrated: 28.12.2020

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

• Electronics: DAE4 Sn601; Calibrated: 02.11.2020

Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001

• DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

Reference Value = 106.9 V/m; Power Drift = 0.04 dB

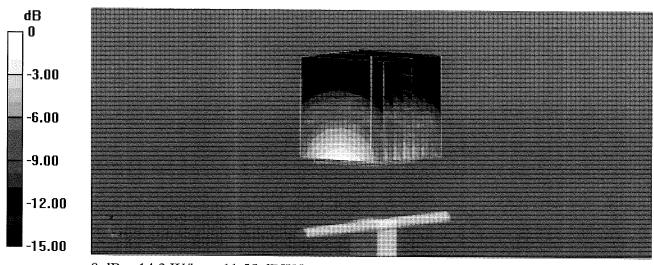
Peak SAR (extrapolated) = 17.2 W/kg

#### SAR(1 g) = 9.29 W/kg; SAR(10 g) = 4.87 W/kg

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

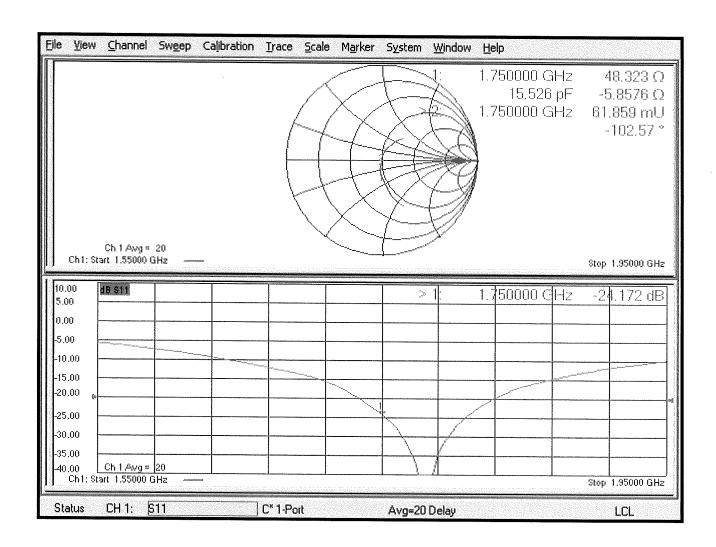
Ratio of SAR at M2 to SAR at M1 = 54.2%

Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg = 11.55 dBW/kg

## Impedance Measurement Plot for Head TSL



## **DASY5 Validation Report for Body TSL**

Date: 14.05.2021

Test Laboratory: SPEAG, Zurich, Switzerland

## DUT: Dipole 1765 MHz; Type: D1765V2; Serial: D1765V2 - SN:1008

Communication System: UID 0 - CW; Frequency: 1750 MHz

Medium parameters used: f = 1750 MHz;  $\sigma = 1.49 \text{ S/m}$ ;  $\varepsilon_r = 54.1$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

#### DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(8.48, 8.48, 8.48) @ 1750 MHz; Calibrated: 28.12.2020

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

• Electronics: DAE4 Sn601; Calibrated: 02.11.2020

• Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002

• DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

Reference Value = 102.5 V/m; Power Drift = -0.01 dB

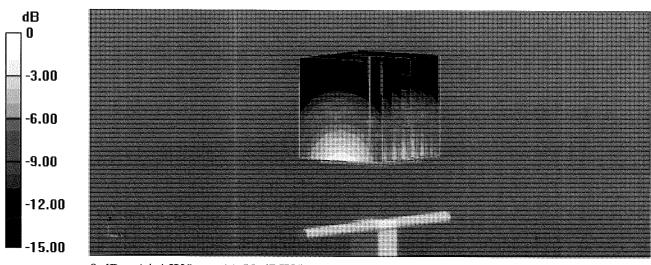
Peak SAR (extrapolated) = 16.9 W/kg

## SAR(1 g) = 9.38 W/kg; SAR(10 g) = 4.95 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg = 11.58 dBW/kg

# Impedance Measurement Plot for Body TSL

