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

#### Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	53.5 Ω - 6.2 jΩ
Return Loss	- 23.2 dB

# Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	56.4 Ω - 4.3 jΩ
Return Loss	- 22,8 dB

# Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	59.1 Ω + 1.9 jΩ
Return Loss	- 21.4 dB

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# Antenna Parameters with Body TSL at 5200 MHz

Impedance, transformed to feed point	50.9 Ω - 8.6 jΩ
Return Loss	- 21.3 dB

## Antenna Parameters with Body TSL at 5250 MHz

Impedance, transformed to feed point	53.2 Ω - 4.1 jΩ
Return Loss	- 26.0 dB

## Antenna Parameters with Body TSL at 5600 MHz

Impedance, transformed to feed point	58.1 Ω - 4.2 jΩ
Return Loss	- 21.4 dB

#### Antenna Parameters with Body TSL at 5750 MHz

Impedance, transformed to feed point	60.3 Ω + 2.3 jΩ
Return Loss	- 20.4 dB

#### Antenna Parameters with Body TSL at 5800 MHz

Impedance, transformed to feed point	57.5 Ω + 2.3 jΩ
Return Loss	- 22.7 dB

## **General Antenna Parameters and Design**

Flootrical Dalay (one direction)		
Liectifical Delay (offe direction)	Electrical Delay (one direction)	1.202 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

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

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

#### **Additional EUT Data**

Manufactured by	SPEAG

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

# Measurement Conditions (f=5200 MHz)

DASY system configuration, as far as not given on page 1 and 3.

Ī	Phantom	SAM Head Phantom	For usage with cSAR3DV2-R/L

# SAR result with SAM Head (Top)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.04 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.4 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.34 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.4 W/kg ± 19.9 % (k=2)

# SAR result with SAM Head (Mouth)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.37 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	83.8 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.36 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.6 W/kg ± 19.9 % (k=2)

# SAR result with SAM Head (Neck)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.04 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.4 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.36 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.6W/kg ± 19.9 % (k=2)

# SAR result with SAM Head (Ear)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	5.11 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	51.1 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	1.78 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	17.8 W/kg ± 19.9 % (k=2)

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

# **Measurement Conditions (f=5800 MHz)**

DASY system configuration, as far as not given on page 1 and 3.

_	3 - 1		
	Phantom	SAM Head Phantom	For usage with cSAR3DV2-R/L

# SAR result with SAM Head (Top)

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.18 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.7 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.33 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.3 W/kg ± 19.9 % (k=2)

# SAR result with SAM Head (Mouth)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.56 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	85.5 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.37 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.6 W/kg ± 19.9 % (k=2)

#### SAR result with SAM Head (Neck)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.91 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	78.9 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.26 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.5 W/kg ± 19.9 % (k=2)

#### SAR result with SAM Head (Ear)

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	5.60 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	55.9 W/kg ± 20.3 % (k=2)

SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR measured	100 mW input power	1.92 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	19.1 W/kg ± 19.9 % (k=2)

Certificate No: D5GHzV2-1191\_Sep19

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

Date: 13.09.2019

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1191

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz

Medium parameters used: f = 5250 MHz;  $\sigma = 4.53$  S/m;  $\epsilon_r = 35.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used: f = 5600 MHz;  $\sigma = 4.88$  S/m;  $\epsilon_r = 34.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>,

Medium parameters used: f = 5750 MHz;  $\sigma = 5.03 \text{ S/m}$ ;  $\varepsilon_r = 34.4$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

#### DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.4, 5.4, 5.4) @ 5250 MHz, ConvF(4.95, 4.95, 4.95) @ 5600 MHz, ConvF(4.98, 4.98, 4.98) @ 5750 MHz; Calibrated: 25.03.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

# Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 76.95 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 18.2 W/kg

# Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 76.89 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 30.9 W/kg

SAR(1 g) = 8.33 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 19.2 W/kg

# Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,

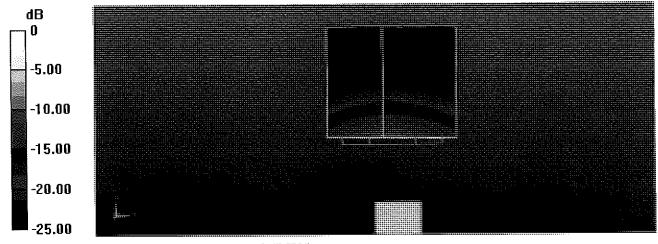
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 74.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 31.6 W/kg

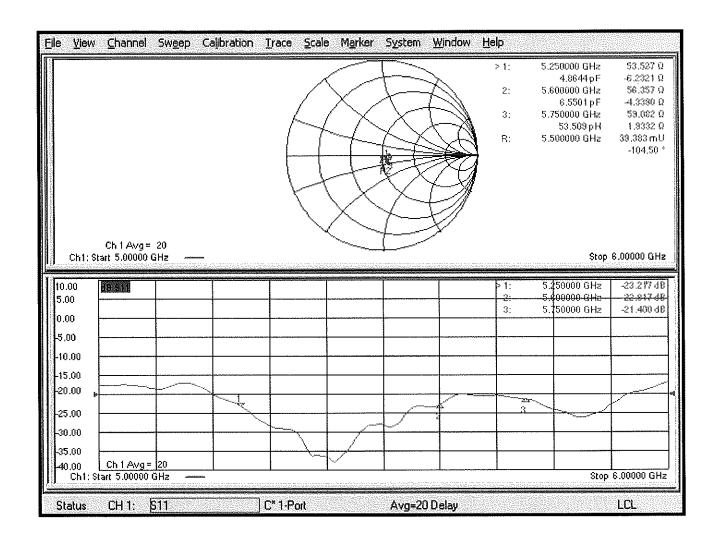
SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

## Impedance Measurement Plot for Head TSL



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

Date: 16.09.2019

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1191

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5250 MHz, Frequency: 5600

MHz, Frequency: 5750 MHz, Frequency: 5800 MHz

Medium parameters used: f = 5200 MHz;  $\sigma = 5.44$  S/m;  $\varepsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>,

Medium parameters used: f = 5250 MHz;  $\sigma = 5.51 \text{ S/m}$ ;  $\varepsilon_r = 46.9$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Medium parameters used: f = 5600 MHz;  $\sigma = 5.98$  S/m;  $\varepsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>,

Medium parameters used: f = 5750 MHz;  $\sigma = 6.19 \text{ S/m}$ ;  $\varepsilon_r = 46$ ;  $\rho = 1000 \text{ kg/m}^3$ ,

Medium parameters used: f = 5800 MHz;  $\sigma = 6.26 \text{ S/m}$ ;  $\varepsilon_r = 45.9$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

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

#### DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.14, 5.14, 5.14) @ 5200 MHz, ConvF(5.26, 5.26, 5.26) @ 5250 MHz, ConvF(4.74, 4.74, 4.74) @ 5600 MHz, ConvF(4.62, 4.62) @ 5750 MHz, ConvF(4.62, 4.62) @ 5800 MHz; Calibrated: 25.03.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

# Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid; dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.78 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 28.7 W/kg

SAR(1 g) = 7.55 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 17.3 W/kg

# Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.09 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 18.1 W/kg

# Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.19 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 34.3 W/kg

SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 19.0 W/kg

# Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 66.80 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 35.1 W/kg

SAR(1 g) = 7.75 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 18.9 W/kg

# Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,

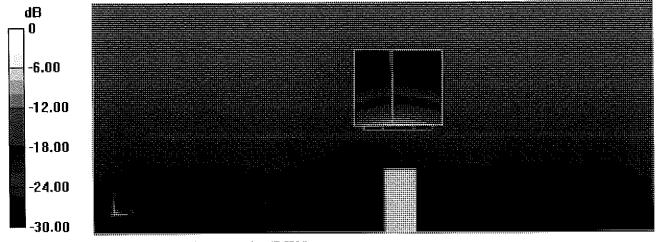
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.13 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 33.8 W/kg

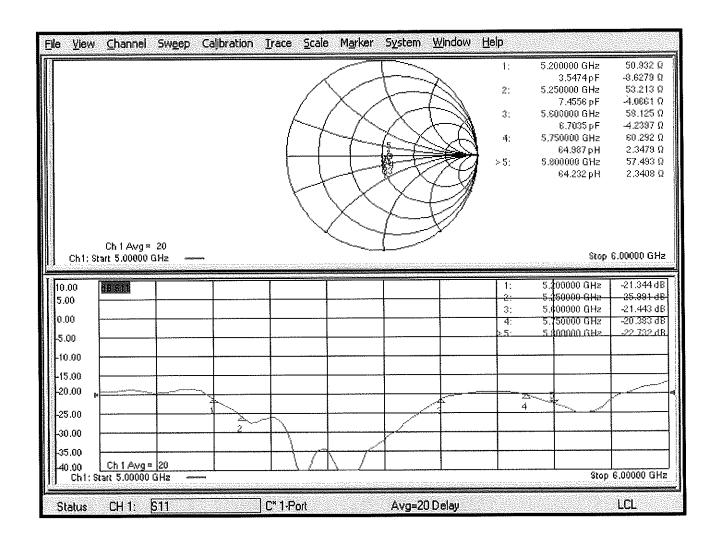
SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg = 12.67 dBW/kg

## Impedance Measurement Plot for Body TSL



#### **DASY5 Validation Report for SAM Head**

Date: 17.09.2019

Test Laboratory: SPEAG, Zurich, Switzerland

#### DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1191

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5800 MHz Medium parameters used: f = 5200 MHz;  $\sigma$  = 4.55 S/m;  $\epsilon_r$  = 36.2;  $\rho$  = 1000 kg/m³ , Medium parameters used: f = 5800 MHz;  $\sigma$  = 5.28 S/m;  $\epsilon_r$  = 34.9;  $\rho$  = 1000 kg/m³

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

#### DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.64, 5.64, 5.64) @ 5200 MHz, ConvF(4.96, 4.96, 4.96) @ 5800 MHz; Calibrated: 25.03.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- · Phantom: SAM Head
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

# SAM/Head/Top - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 74.84 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.34 W/kg

Maximum value of SAR (measured) = 18.5 W/kg

# SAM/Head/Top - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 70.45 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 8.18 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 20.2 W/kg

# SAM/Head/Mouth - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 76.86 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 29.3 W/kg

SAR(1 g) = 8.37 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 19.8 W/kg

# SAM/Head/Mouth - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

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dz=1.4mm

Reference Value = 71.46 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 34.0 W/kg

SAR(1 g) = 8.56 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 21.3 W/kg

Certificate No: D5GHzV2-1191\_Sep19

# SAM/Head/Neck - 5200/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 74.71 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 28.8 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 19.2 W/kg

# **SAM/Head/Neck - 5800/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 71.62 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 20.2 W/kg

# **SAM/Head/Ear - 5200/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.89 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 1.78 W/kg

Maximum value of SAR (measured) = 11.4 W/kg

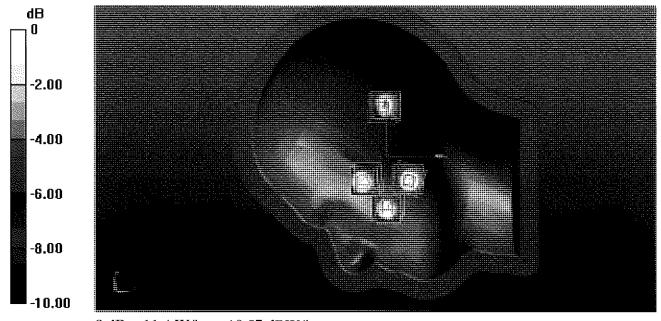
# SAM/Head/Ear - 5800/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.22 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 21.0 W/kg

SAR(1 g) = 5.6 W/kg; SAR(10 g) = 1.92 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 11.4 W/kg = 10.57 dBW/kg

#### Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Certificate No: EX3-3589\_Jan19

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

Object

**PC Test** 

CALIBRATION CERTIFICATE

EX3DV4 - SN:3589

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes

Calibration date:

January 25, 2019

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

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

Calibration Equipment used (M&TE critical for calibration)

Certificate No: EX3-3589\_Jan19

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682) Apr-19	
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	in house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Signature Function Name Jeton Kastrati Laboratory Technician Calibrated by: Technical Manager Katja Pokovic Approved by:

Issued: January 29, 2019

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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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

Glossary:

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

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

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

Polarization φ

φ rotation around probe axis

Polarization 9

notation 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

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

## Calibration is Performed According to the Following Standards:

a) 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 handheld 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"

# 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).

January 25, 2019 EX3DV4 - SN:3589

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

**Basic Calibration Parameters** 

Dasic Calibration I arai	Heters			1 11 (10)
	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0,44	0.40	0.39	± 10.1 %
DCP (mV) <sup>B</sup>	104.1	102.3	101.6	

Calibration Possite 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	161.0	± 2.2 %	± 4.7 %
U	044	Y	0.00	0.00	1.00		172.8		
		Z	0.00	0.00	1.00		161.9		
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	89.05	22.73	10.00	60.0	± 1.8 %	± 9.6 %
AAA	Tuiso vidvoisiii (moorii)	Y	15.00	87.03	21.09		60.0		
,,,,,	ł	Z	15.00	88.89	22.24		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	89.55	21.62	6.99	80.0	± 0.9 %	± 9.6 %
AAA	, 4,55	Υ	15.00	87.28	19.70		80.0		
		Z	15.00	89.25	21.07		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	91.62	21.02	3.98	95.0	± 0.9 %	± 9.6 %
AAA	,	Y	15.00	87.00	17.73		95.0		 
		Z	15.00	91.02	20.33		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	15.00	97.72	22.56	2.22	120.0	± 1.3 %	± 9.6 %
AAA	, , , ,	Y	15.00	85.70	15.52		120.0	<u> </u>	1
		Z	15.00	94.39	20.55		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.93	64.13	11.59	0.00	150.0	± 3.0 %	± 9.6 %
AAA	,	Y	0.57	60.00	7.45		150.0		
		Z	0.83	63.49	10.36		150.0		+
10388-	QPSK Waveform, 10 MHz	X	2.36	68.76	16.09	0.00	150.0	± 1.5 %	± 9.6 %
AAA		Y	1.95	66.09	14.43	<u> </u>	150.0	1	
		Z	2.37	69.14	16.27		150.0		
10396-	64-QAM Waveform, 100 kHz	X	3.76	72.95	19.72	3.01	150.0	± 0.7 %	± 9.6 %
AAA		Y	3.11	69.51	18.06		150.0	1	
		Z	4.24	75.35	20.59		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.57	67.40	15.92	0.00	150.0	± 2.7 %	± 9.6 %
AAA		Υ	3.33	66.26	15.18	_]	150.0	1	
		Z	3.47	67.09	15.77		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.95	65.72	15.56	0.00	150.0	± 4.8 %	± 9.6 %
AAA		Υ	4.74	65.16	15.23		150.0		
	}	Z	4.81	65.57	15.48		150.0	<u> </u>	

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%.

<sup>B</sup> Numerical linearization parameter: uncertainty not required.

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<sup>&</sup>lt;sup>^</sup> The uncertainties of Norm X,Y,Z do not affect the E<sup>2</sup>-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.

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

**Sensor Model Parameters** 

,11301 1	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V⁻¹	Т6
X	55.3	407.97	34.85	27.50	1.34	5.10	1.23	0.50	1.01
$\frac{\lambda}{\nabla}$	46.7	357.99	37.12	21.71	1.59	5.07	0.00	0.73	1.01
<del>-                                    </del>	46.1	339.04	34.64	23.94	1.27	5.07	1.73	0.40	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	-30.3
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

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

# Calibration Parameter Determined in Head 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	41.9	0.89	8.67	8.67	8.67	0.70	0.80	± 12.0 %
835	41.5	0.90	8.39	8.39	8.39	0.63	0.81	± 12.0 %
1750	40.1	1.37	7.31	7.31	7.31	0.40	0.80	± 12.0 %
1900	40.0	1.40	7.08	7.08	7.08	0.39	0.80	± 12.0 %
2300	39.5	1.67	6.77	6.77	6.77	0.31	0.85	± 12.0 %
2450	39.2	1.80	6.46	6.46	6.46	0.30	0.85	± 12.0 %
2600	39.0	1.96	6.25	6.25	6.25	0.40	0.83	± 12.0 %
3500	37.9	2.91	6.16	6.16	6.16	0.26	1.20	± 13.1 %
3700	37.7	3.12	6.02	6.02	6.02	0.26	1.20	± 13.1 %

<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 below 3 GHz, the validity of tissue parameters (a and o) can be relaxed to ± 10% if liquid compensation formula is applied to

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 values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 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 ± 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.

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3589

# Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>c</sup>	Relative Permittivity <sup>F</sup>	Conductivity (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	8.34	8.34	8.34	0.42	0.84	± 12.0 %
835	55.2	0.97	8,29	8.29	8.29	0.41	0.84	± 12.0 %
1750	53.4	1.49	6.82	6.82	6.82	0.43	0.80	± 12.0 %
1900	53.3	1.52	6.75	6.75	6.75	0.35	0.85	± 12.0 %
2300	52.9	1.81	6.71	6.71	6.71	0.36	0.87	± 12.0 %
2450	52.7	1.95	6.66	6.66	6.66	0.34	0.88	± 12.0 %
2600	52.5	2.16	6.47	6.47	6.47	0.28	0.95	± 12.0 %
3500	51.3	3.31	6.21	6.21	6.21	0.25	1.25	± 13.1 %
3700	51.0	3.55	6.13	6.13	6.13	0.20	1.25	± 13.1 %

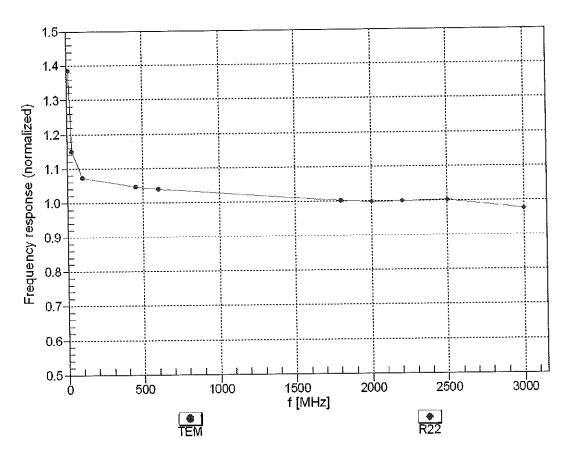
<sup>&</sup>lt;sup>c</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency 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  $\pm$  110 MHz. 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of

the ConvF uncertainty for indicated target tissue parameters.

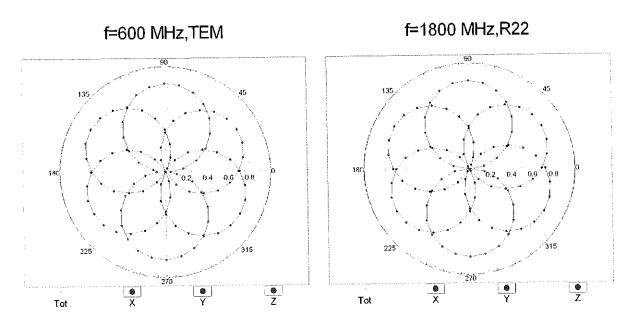
Galpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

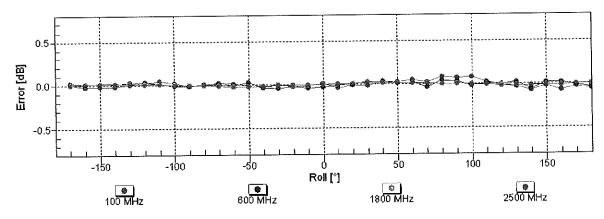
# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

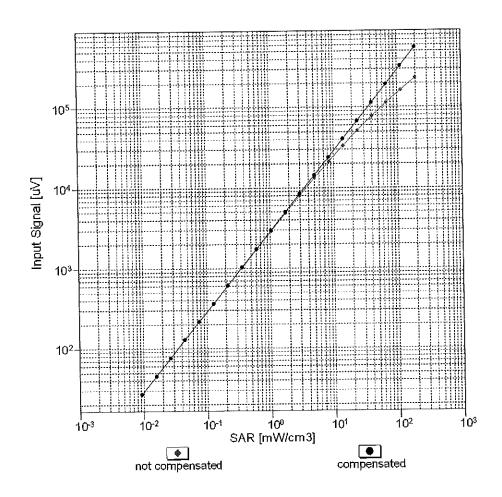
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

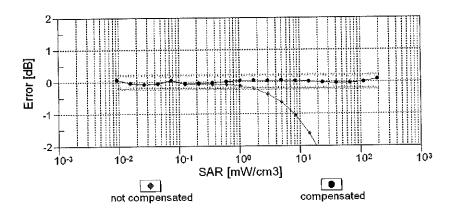




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

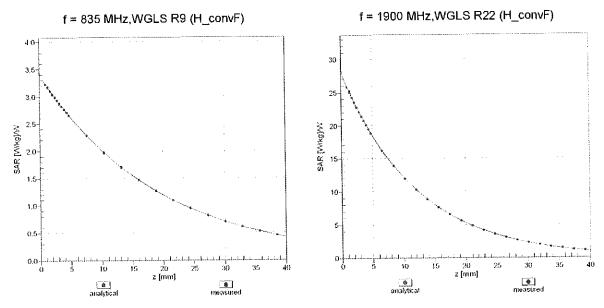
# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)



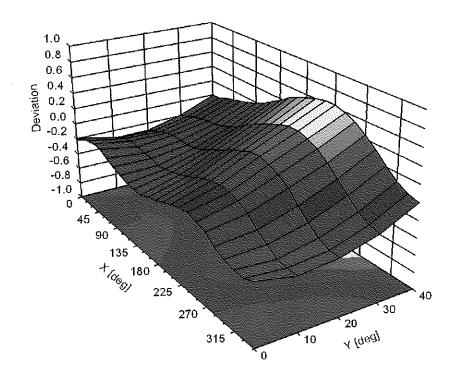


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

# **Conversion Factor Assessment**



Deviation from Isotropy in Liquid Error ( $\phi$ ,  $\vartheta$ ), f = 900 MHz



# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR	Unc <sup>E</sup>
0	1	CW	cw	(dB)	(k=2)
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	0.00 10.00	± 4.7 % ± 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 (PI/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	±96%
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 10058	DAC	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6%
10056	CAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM WLAN	6.52	±9.6%
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12 2.83	±9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1.1 Mbps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	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 10098	CAB CAB	UMTS-FDD (HSDPA) UMTS-FDD (HSUPA, Subtest 2)	WCDMA WCDMA	3.98 3.98	± 9.6 % ± 9.6 %
10098	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
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 %
10101	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 %
	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10105					

			TITE EDD	C 40	1060
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD LTE-FDD	6.43 5.75	± 9.6 % ± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	6.44	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10113	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 91 Mbps, 10-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, 64-44/M)	WLAN	8.07	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 10.5 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	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	CAE	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 % ± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25 5.72	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)		5.73	± 9.6 %
10177	CAL	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD LTE-FDD	6.52	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10179	CAG		LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10181 10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QFSR)  LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
10183	CAE	LTE-FDD (SC-FDMA, 1 RB, 13 MHz, 04-QAW)	LTE-FDD	5.73	± 9.6 %
10184 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 KB, 3 MHz, 10-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	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10196	CAC	IEEE 802.1111 (111 Mixed, 0.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 35 Msps, 61 Salary)	WLAN	8.03	± 9.6 %
10210	1 0,10				

10220	CAC	IEEE 902 44p /UT Mixed 42 0 Mb - 42 CALD	T	I _ : =	
10220	CAC	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) IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.27	±9.6%
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 50 Mbps, 64-QAM)	WLAN WLAN	8.48 8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6%
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 % ± 9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAC	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	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	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 10241	CAF CAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6%
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.86	± 9.6 %
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)  LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	9.46	±9.6%
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD LTE-TDD	10.06 10.06	±9.6 % ±9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAF	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	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	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259 10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261		LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.24	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)  LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD LTE-TDD	10.16 9.23	± 9.6 %
10265	CAF	LTE-TDD (3C-FDMA, 100% RB, 10 MHz, QF3K)  LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.23	± 9.6 % ± 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	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 %
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 10297	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	5.72	±9.6%
10233	עאט	LILI DD (GOI DIVIA, GO /6 ND, G WIFIZ, TO-WAIVI)	LTE-FDD	6.39	± 9.6 %

40000	A A D	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10300	AAD AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	± 9.6 %
10301 10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WiMAX	12.57	± 9.6 %
10302	AAA	symbols)	,,,,,,,,,	,	
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, 15	WiMAX	15.24	± 9.6 %
		symbols)			
10306	AAA	IÉEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
.,		symbols)	JACA JANA	44.40	± 9.6 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	I 9.0 %
40000		symbols)   IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, F03C)	WiMAX	14.58	± 9.6 %
10309	AAA	symbols)	***************************************	1,1.00	
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WiMAX	14.57	± 9.6 %
10010	/ " " "	symbols)			
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 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	AAC	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 3.98	± 9.6 % ± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic Generic	2.22	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	0.97	± 9.6 %
10356 10387	AAA	Pulse Waveform (200Hz, 80%)  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 (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)	Generic	8.54	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10415	AAA	IEEE 802.116 WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10416	AAA	IEEE 802.11g WIFI 2.4 GHz (ERF-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417 10418	AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
10410	1	Long preambule)			
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
		Short preambule)		<u></u>	
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6 % ±9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN WLAN	8.45 8.41	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	LTE-FDD	8.28	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 13 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433 10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10434	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10700	773	Subframe=2,3,4,7,8,9)			
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 % ± 9.6 %
	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	1 / 48	1 + 4 6 %

10451 10456	AAA				
10400	AAD	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6%
40457	AAB	IEEE 802.11ac WIFI (160MHz, 64-QAM, 99pc duty cycle)	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	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10462	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10468	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10469	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10470	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10471	AAE	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-TDD	8.32	± 9.6 %
10472	AAE	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	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	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	AAF	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	AAF	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	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10480	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6%
10483	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10493	AAE	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	± 9.6 %
10496	AAF	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	AAA	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	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	± 9.6 %
10504	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	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	AAF	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, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
		IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10531	AAB	IEEE OUZ, ITAC WIFT (ZUIVITZ, IVICOO, BAPE GUTY CYCLE)	WLAN	8.29	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10533 10534	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.45	± 9.6 %
これいたマオ	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	I AA L'AIA	0.40	1 2 0.0 /0

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10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6%
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6%
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8,48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
		cycle)	1 1101	0.20	10.0 /6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
		cycle)		0.10	20.0 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
		cycle)	''	1 0,10	
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
		cycle)	''''' '''	",""	
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
		cycle)		-,	
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
		cycle)			
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
		cycle)			
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6%
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
		cycle)			= = : : "
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
	<u></u>	cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
		cycle)		1	
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
L		cycle)			'
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
		cycle)			
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
	<u> </u>	cycle)			
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	±9.6%
		cycle)			
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
		cycle)			
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
	<u> </u>	,	r + test 31 1		5.5 /0

40500	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10588 10589	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
		IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10590	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10591	AAB AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10592		IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8,72	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCSO, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc daty cycle)	WLAN	8.88	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MC32, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10606	AAB		WLAN	8.64	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)		8.94	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN WLAN	8.59	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)		8.87	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN WLAN	8.77	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)		8.68	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN WLAN	8.82	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)		8.88	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN WLAN	8.71	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)		8.72	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN		± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74 8.83	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN		± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83 8.79	± 9.6 %
10637	AAC	IEEE 802,11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN		
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 % ± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 % ± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3,45	± 9.6 %
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
	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 %

<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





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

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Client

**PC Test** 

Certificate No: EX3-3914\_Feb19

# **CALIBRATION CERTIFICATE**

Object EX3DV4 - SN:3914

Calibration procedure(s) QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v5, QA CAL-23.v5,

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

BN

Calibration date:

February 19, 2019

01-26-2019

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-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Calibrated by:

Name
Function
Signature

Laboratory Technician

Approved by:

Katja Pokovic
Technical Manager

Issued: February 20, 2019

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

#### **Calibration Laboratory of**

Schmid & Partner

Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland





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#### Glossary:

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

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

CF

crest factor (1/duty\_cycle) of the RF signal

A, B, C, D

modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 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

Certificate No: EX3-3914\_Feb19

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

#### 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 handheld 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"

#### 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).

EX3DV4 -- SN:3914 February 19, 2019

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3914

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.46	0.41	0.44	± 10.1 %
DCP (mV) <sup>B</sup>	98.0	104.4	100.8	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	dB√hΛ B	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	135.8	± 3.3 %	± 4.7 %
		Y	0.00	0.00	1.00		149.1		
		Z	0.00	0.00	1.00		130.4		
10352-	Pulse Waveform (200Hz, 10%)	Х	11.50	82.25	17.46	10.00	60.0	± 2.9 %	± 9.6 %
AAA		Y	13.06	84.85	18.88		60.0		
		Z	15.00	85.74	19.04		60.0		
10353-	Pulse Waveform (200Hz, 20%)	Х	15.00	85.61	17.12	6.99	80.0	± 1.7 %	± 9.6 %
AAA		Υ	15.00	87.20	18.40		80.0		
		Z	15.00	86.88	18.11		80.0		
10354-	Pulse Waveform (200Hz, 40%)	Χ	15.00	85.07	15.18	3.98	95.0	± 1.1 %	± 9.6 %
AAA		Y	15.00	89.57	18.09		95.0		
		Z	15.00	87.22	16.52		95.0		
10355-	Pulse Waveform (200Hz, 60%)	Х	0.82	65.05	7.38	2.22	120.0	± 1.2 %	± 9.6 %
AAA		Y	15.00	94.17	19.03		120.0		
		Z	15.00	84.14	13.59		120.0		
10387-	QPSK Waveform, 1 MHz	Х	0.56	60.35	7.26	0.00	150.0	± 2.8 %	± 9.6 %
AAA		Υ	0.80	64.04	10.54		150.0		•
		Z	0.51	60.00	6.79		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.18	68.24	15.67	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Υ	2.41	70.06	16.91		150.0		
		Z	2.04	67.38	15.28		150.0		
10396-	64-QAM Waveform, 100 kHz	Х	2.71	69.05	18.06	3.01	150.0	± 0.7 %	± 9.6 %
AAA		Υ	3.50	74.05	20.22		150.0		
		Z	2.76	69.32	18.16		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.50	67.38	15.86	0.00	150.0	± 2.2 %	± 9.6 %
AAA		Υ	3.57	67.89	16.25		150.0	]	
		Z	3.38	66.82	15.58		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.87	65.94	15.72	0.00	150.0	± 4.2 %	± 9.6 %
AAA		Υ	4.84	65.99	15.74	]	150.0		
		Z	4.71	65.47	15.46	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%.

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<sup>&</sup>lt;sup>^</sup> 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>B</sup> Numerical linearization parameter: uncertainty not required.

<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.

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3914

#### **Sensor Model Parameters**

	C1	C2	α	T1	T2	Т3	T4	T5	Т6
	fF	fF	V-1	ms.V⁻²	ms.V⁻¹	ms	V⁻2	V-1	
X	42.5	324.17	36.82	9.95	0.55	5.06	0.00	0.49	1.01
Υ	42.9	310.45	33.81	12.34	0.63	5.02	2.00	0.15	1.01
Z	39.7	301.66	36.55	9.75	0.75	5.05	0.45	0.44	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	0.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3914

#### Calibration Parameter Determined in Head 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)
6	55.5	0.75	21.24	21.24	21.24	0.00	1.00	± 13.3 %
13	55.5	0.75	18.06	18.06	18.06	0.00	1.00	± 13.3 %
750	41.9	0.89	10.00	10.00	10.00	0.54	0.82	± 12.0 %
835	41.5	0.90	9.50	9.50	9.50	0.50	0.86	± 12.0 %
1750	40.1	1.37	8.16	8.16	8.16	0.41	0.80	± 12.0 %
1900	40.0	1.40	7.80	7.80	7.80	0.40	0.84	± 12.0 %
2300	39.5	1.67	7.44	7.44	7.44	0.37	0.84	± 12.0 %
2450	39.2	1.80	7.13	7.13	7.13	0.39	0.86	± 12.0 %
2600	39.0	1.96	7.11	7.11	7.11	0.39	0.89	± 12.0 %
3500	37.9	2.91	6.99	6.99	6.99	0.25	1.20	± 13.1 %
3700	37.7	3.12	6.75	6.75	6.75	0.25	1.20	± 13.1 %
5250	35.9	4.71	5.19	5.19	5.19	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.73	4.73	4.73	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.90	4.90	4.90	0.40	1.80	± 13.1 %

<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 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 ± 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:3914

### 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	9.73	9.73	9.73	0.54	0.84	± 12.0 %
835	55.2	0.97	9.46	9.46	9.46	0.50	0.80	± 12.0 %
1750	53.4	1,49	7.89	7.89	7.89	0.38	0.84	± 12.0 %
1900	53.3	1.52	7.60	7.60	7.60	0.29	1.03	± 12.0 %
2300	52.9	1.81	7.43	7.43	7.43	0.38	0.84	± 12.0 %
2450	52.7	1.95	7.34	7.34	7.34	0.33	0.87	± 12.0 %
2600	52.5	2.16	7.15	7.15	7.15	0.26	0.97	± 12.0 %
3500	51.3	3.31	6.88	6.88	6.88	0.25	1.15	± 13.1 %
3700	51.0	3.55	6.58	6.58	6.58	0.30	1.15	± 13.1 %
5250	48.9	5.36	4.61	4.61	4.61	0.50	1.90	± 13.1 %
5600	48.5	5.77	3.92	3.92	3.92	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.05	4.05	4.05	0.50	1,90	± 13.1 %

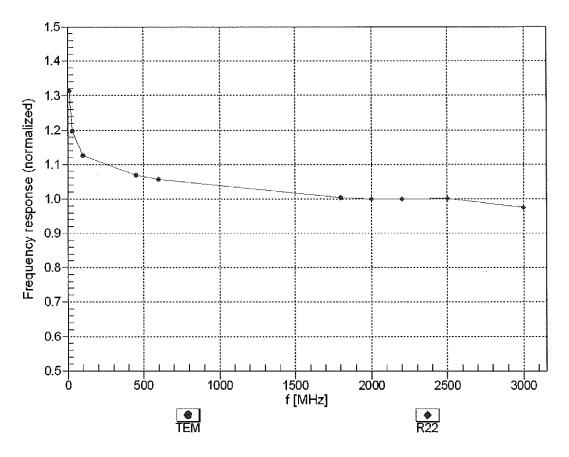
<sup>&</sup>lt;sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency 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 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 Copy 5 properties for indicated to properties.

the ConvF uncertainty for indicated target tissue parameters.

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)

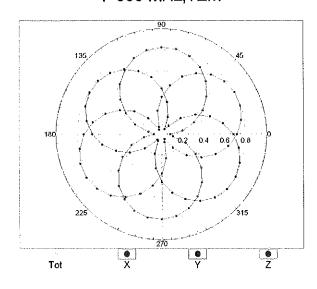
February 19, 2019

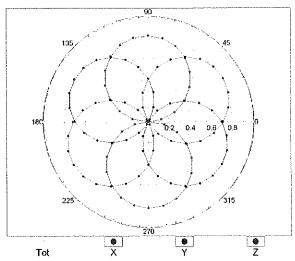
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

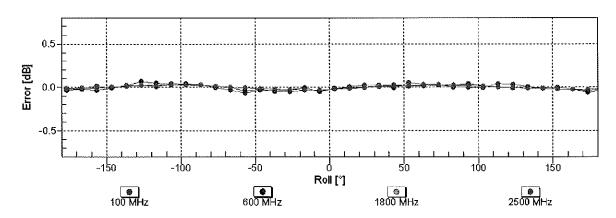


EX3DV4-SN:3914

f=1800 MHz,R22

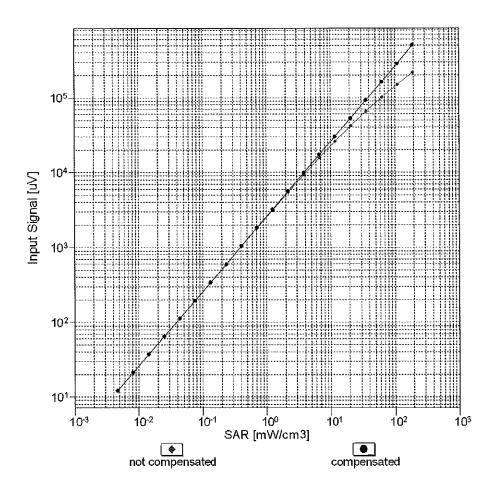


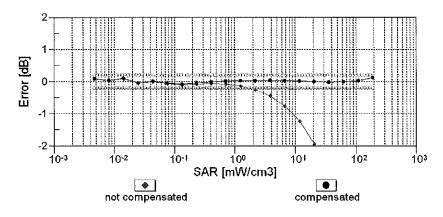




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

## Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)

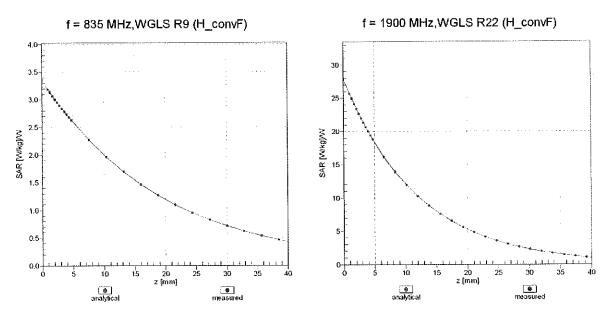




Uncertainty of Linearity Assessment: ± 0.6% (k=2)

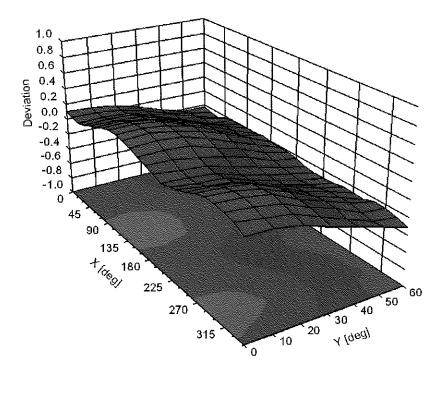
February 19, 2019

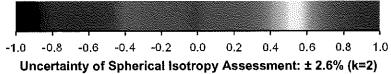
## **Conversion Factor Assessment**



# **Deviation from Isotropy in Liquid**

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





EX3DV4-SN:3914

## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR	Unc
		444444444444444444444444444444444444444		(dB)	(k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	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 (PI/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	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6%
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6%
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	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 WiFl 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	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
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 %
	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10104	) UMG				
10104 10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %

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10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
\$	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD LTE-FDD	6.44 6.59	± 9.6 % ± 9.6 %
	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6 %
	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
<u>i</u>	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
	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 %
	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
	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 %
<b>1</b>	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-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD LTE-FDD	10.05 5.75	± 9.6 % ± 9.6 %
	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)  LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
10155	CAG CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 10-QAM)  LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QFSK)  LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
<del></del>	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 %
	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		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	CAC	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD LTE-FDD	5.73 6.52	± 9.6 % ± 9.6 %
10178 10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 % ± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM)  LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10181	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	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	100 000		
10221	CAC		WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6%
10223		IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6%
	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6%
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6%
10228		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAC	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 10232	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6%
	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6%
10237	CAF	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	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6%
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6%
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6%
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6%
10250	CAF	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	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	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TOD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6 %
10267 10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
	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 10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10)	WCDMA	4.87	± 9.6 %
	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 %
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	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298 10299	AAD AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6%
10299	HAU	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WiMAX	12.57	±9.6 %
10002	''' '	symbols)	***************************************	12.01	= 0.0 /0
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, 15	WiMAX	15.24	± 9.6 %
10000	7001	symbols)	V 11V4 () (	,0.2.	20.0 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	±9.6%
10000	' ' ' '	symbols)	171111111111111111111111111111111111111	, ,,,,,,,	- 515 ,5
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	±9.6%
1000.	/ 0 0 \	symbols)			
10308	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, 18	WiMAX	14.58	± 9.6 %
		symbols)			Í
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WiMAX	14.57	±9.6%
		symbols)			
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 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	AAC	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, 40%)	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	+	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10399	AAA AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10402	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.77	± 9.6 %
1	<del></del>	CDMA2000 (1XEV-DO, Rev. A) CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10406 10410	AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10410	AAF	Subframe=2,3,4,7,8,9, Subframe Conf=4)		7.02	2 3.0 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10414	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
		IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10416 10417	AAA AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
10418	AAA		VVLAN	0.14	J. 9.0 70
10419	AAA	Long preambule) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
10415	\~~~	Short preambule)	44	0.19	± 0.0 /0
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BF3R)	WLAN	8.47	± 9.6 %
10423		IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.40	± 9.6 %
	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.45	± 9.6 %
10426	AAB		WLAN	8.41	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	LTE-FDD	8.28	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)			± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
40447	A A D	Subframe=2,3,4,7,8,9)	I TE EDD	7.56	± 9.6 %
10447	AAD_	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD LTE-FDD		± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)		7.53	
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	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	+069/
10451	AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN		± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	8.63	±9.6%
10457	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)		6.62	±9.6%
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)  CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000 CDMA2000	6.55	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	8.25 2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD		± 9.6 %
		Subframe=2,3,4,7,8,9)		7.82	± 9.6 %
10462	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6%
10465	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAE	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	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	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	AAF	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	AAF	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	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6%
10480	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6%
10483	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10492   AAE   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL   LTE-TDD   B.41   ± 9.6 % Subframe-2, 34, 78, 9)						
10493   AAE   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL   LTE-TDD   8.55   ± 9.6 %   Subframe-2, 34, 78, 9)	10492	AAE		LTE-TDD	8.41	± 9.6 %
10494	10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10496	10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10496	10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.37	± 9.6 %
10498	10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10498	10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
10499	10498	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
10500	10499	AAA	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 %
Subframe=2,3,4,7,8,9	10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
Subframe=2,3,4,7,8,9    10504   AAE	10501	AAB	Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD   S.5FDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD   S.5FDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD   S.5FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   S.5FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   S.5FDMA, 100% RB, 10 MHz, QPSK, UL   LTE-TDD   T.7.4   19.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    LTE-TDD   S.5FDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD   S.5EDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD   S.5EDMA, 100% RB, 10 MHz, 64-QAM, UL   LTE-TDD   S.5EDMA, 100% RB, 10 MHz, 64-QAM, UL   LTE-TDD   S.5EDMA, 100% RB, 15 MHz, QPSK, UL   LTE-TDD   T.99   19.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9	10502	AAB	Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   R.54			LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL   LTE-TDD   R.36			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD   S.36			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL   LTE-TDD   S.55		AAE	Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 20			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)   WLAN			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 90 MLAN 1.58			Subframe=2,3,4,7,8,9)			
Subframe=2,3,4,7,8,9			Subframe=2,3,4,7,8,9)		Ì	
Subframe=2,3,4,7,8,9	ù.		Subframe=2,3,4,7,8,9)			
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         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)         WLAN         8.42         ± 9.6	10514	AAF	Subframe=2,3,4,7,8,9)			
10517       AAA       IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)       WLAN       1.58       ± 9.6 %         10518       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)       WLAN       8.23       ± 9.6 %         10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 9	10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	<u> ± 9.6 %</u>
10517       AAA       IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)       WLAN       1.58       ± 9.6 %         10518       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)       WLAN       8.23       ± 9.6 %         10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 9	10516	AAA	IEEE 802,11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10518         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)         WLAN         8.42         ± 9.6 %           10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %				WLAN	1.58	
10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)         WLAN         8.42         ± 9.6 %           10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %						
10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)						
10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN						
10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						
10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						
10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						
10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						
10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						
10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						
10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %	10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						
10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						
10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %						
10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %						
10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
					<del>-</del>	
10004   AAD   IEEE OUZ. I IBC WIFT (40MITZ, MOOU, 38PC QULY CYCLE)   WEAR   0.40   £ 9.0 %						- <del></del>
	10534	AAB	TIEEE OUZ.TTRC WIFT (40WIFZ, WIGSU, 99pc duty cycle)	VALVAIA	0.45	I 5.0 %

10535         AAB         IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)         WLAN         8.45           10536         AAB         IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)         WLAN         8.32           10537         AAB         IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)         WLAN         8.44           10538         AAB         IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)         WLAN         8.54           10540         AAB         IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)         WLAN         8.39           10541         AAB         IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)         WLAN         8.46           10542         AAB         IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)         WLAN         8.65           10543         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.35           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle) <t< th=""><th>± 9.6 % ± 9.6 %</th></t<>	± 9.6 % ± 9.6 %
10537         AAB         IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)         WLAN         8.44           10538         AAB         IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)         WLAN         8.54           10540         AAB         IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)         WLAN         8.39           10541         AAB         IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)         WLAN         8.46           10542         AAB         IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)         WLAN         8.65           10543         AAB         IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle) <t< td=""><td>± 9.6 % ± 9.6 %</td></t<>	± 9.6 % ± 9.6 %
10538         AAB         IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)         WLAN         8.54           10540         AAB         IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)         WLAN         8.39           10541         AAB         IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)         WLAN         8.46           10542         AAB         IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)         WLAN         8.65           10543         AAB         IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10540         AAB         IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)         WLAN         8.39           10541         AAB         IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)         WLAN         8.46           10542         AAB         IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)         WLAN         8.65           10543         AAB         IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10541         AAB         IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)         WLAN         8.46           10542         AAB         IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)         WLAN         8.65           10543         AAB         IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10542         AAB         IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)         WLAN         8.65           10543         AAB         IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	±9.6 % ±9.6 % ±9.6 % ±9.6 %
10543         AAB         IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10543         AAB         IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)         WLAN         8.65           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)         WLAN         8.47           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	±9.6 % ±9.6 % ±9.6 %
10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	± 9.6 % ± 9.6 %
10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35           10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	±96%
10547         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.49           10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	
10548         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)         WLAN         8.37           10550         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)         WLAN         8.38	±9.6%
10550 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle) WLAN 8.38	±9.6%
	± 9.6 %
10551 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle) WLAN 8.50	±9.6 %
10552 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle) WLAN 8.42	±9.6%
10553 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle) WLAN 8.45	±9.6 %
10554 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) WLAN 8.48	±96%
10555 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) WLAN 8.47	±9.6 %
10556 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) WLAN 8.50	± 9.6 %
10557 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) WLAN 8.52	± 9.6 %
10558 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle) WLAN 8.61	± 9.6 %
	± 9.6 %
	± 9.6 %
	± 9.6 %
	±9.6%
10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty WLAN 8.25	± 9.6 %
cycle)	1
10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty WLAN 8.45	±9.6 %
cycle)	
10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty WLAN 8.13	± 9.6 %
cycle)	
10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty WLAN 8.00	±9.6%
cycle)	
10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37	± 9.6 %
cycle)	
10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10	± 9.6 %
cycle)	
10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.30	± 9.6 %
cycle)	
10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99	±9.6%
10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99	±9.6%
10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98	±9.6%
10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98	±9.6%
10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty WLAN 8.59	±9.6 %
cycle)	
10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty WLAN 8.60	±96%
cycle)	
10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70	± 9.6 %
cycle)	<u> </u>
10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49	± 9.6 %
cycle)	
10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36	± 9.6 %
cycle)	
10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76	± 9.6 %
cycle)	
10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35	± 9.6 %
cycle)	
10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty WLAN 8.67	± 9.6 %
cycle)	
10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59	± 9.6 %
10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60	± 9.6 %
10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70	± 9.6 %
10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49	± 9.6 %
10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps, 90pc duty cycle) WLAN 8.36	± 9.6 %
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19588   AAB   IEEE 802.11an WHI 5 GHz (OFDM, 38 Mbps, 90pc duty cycle)   VILAN   8.75   ±9.6 %   19590   AAB   IEEE 802.11an WHI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)   VILAN   8.35   ±9.6 %   19590   AAB   IEEE 802.11an WHI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)   VILAN   8.35   ±9.6 %   19592   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.36   ±9.6 %   19592   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.46   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 20MHz, MCS3, 90pc duty cycle)   VILAN   8.47   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 40MHz, MCS3, 90pc duty cycle)   VILAN   8.48   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 40MHz, MCS3, 90pc duty cycle)   VILAN   8.48   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 40MHz, MCS3, 90pc duty cycle)   VILAN   8.48   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 40MHz, MCS3, 90pc duty cycle)   VILAN   8.48   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 40MHz, MCS3, 90pc duty cycle)   VILAN   8.48   ±9.6 %   19593   AAB   IEEE 802.11an (HT Msed, 40MHz, MCS3, 90pc duty cycle)   VILAN   8.49   ±9.6 %   19593   AAB   IEEE 802.11ac (HT (MMHz, MCS3, 90pc duty cycle)   VILAN   8.49   ±9.6 %   19593   AAB   IEEE 802.11ac WHz (MMHz, MCS3, 90pc duty cycle)   VIL	,	,				
10599   AAB	10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10592   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90p otthy cycle)   WILAN   8.79 ± 9.6 %   10593   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10594   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10595   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10595   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10595   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90p otthy cycle)   WILAN   8.71 ± 9.6 %   10599   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90p otthy cycle)   WILAN   8.72 ± 9.6 %   10599   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90p otthy cycle)   WILAN   8.72 ± 9.6 %   10599   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90p otthy cycle)   WILAN   8.70 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.79 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.80 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.82 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.82 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.82 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.97 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.97 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.97 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.76 ± 9.6 %   10590   AAB   IEEE 802.11n (WIT AMBER, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.76 ± 9.6 %   10590   AAB   IEEE 802.11ac Wiff (20MHz, MCS3, 90p otthy cycle)   WILAN   8.77 ± 9.6 %   10590   AAB   IEEE 802.11ac Wiff (20MHz, MCS3, 90p otthy cycle)   WILAN   8.77 ± 9.6 %   10590   AAB   IEEE 802.11ac Wiff (20MHz, MCS3, 90p otthy cycle)   WILAN   8.77 ± 9.6 %   10590   A	10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10592   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90p otthy cycle)   WILAN   8.79 ± 9.6 %   10593   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10594   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10595   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10595   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90p otthy cycle)   WILAN   8.74 ± 9.6 %   10595   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90p otthy cycle)   WILAN   8.71 ± 9.6 %   10599   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90p otthy cycle)   WILAN   8.72 ± 9.6 %   10599   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90p otthy cycle)   WILAN   8.72 ± 9.6 %   10599   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90p otthy cycle)   WILAN   8.70 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.79 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.80 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.82 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.82 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90p otthy cycle)   WILAN   8.82 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.97 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.97 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.97 ± 9.6 %   10590   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.76 ± 9.6 %   10590   AAB   IEEE 802.11n (WIT AMBER, 40MHz, MCS3, 90p otthy cycle)   WILAN   8.76 ± 9.6 %   10590   AAB   IEEE 802.11ac Wiff (20MHz, MCS3, 90p otthy cycle)   WILAN   8.77 ± 9.6 %   10590   AAB   IEEE 802.11ac Wiff (20MHz, MCS3, 90p otthy cycle)   WILAN   8.77 ± 9.6 %   10590   AAB   IEEE 802.11ac Wiff (20MHz, MCS3, 90p otthy cycle)   WILAN   8.77 ± 9.6 %   10590   A	10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10592   AAB     EEE 802.11n (hT Mixed; 20MHz, MCS2, 90pc duty cycle)   WLAN   8.79   ± 9.6 %   10594   AAB     EEE 802.11n (hT Mixed; 20MHz, MCS2, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10594   AAB     EEE 802.11n (hT Mixed; 20MHz, MCS3, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10596   AAB     EEE 802.11n (hT Mixed; 20MHz, MCS3, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10599   AAB     EEE 802.11n (hT Mixed; 20MHz, MCS3, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10599   AAB     EEE 802.11n (hT Mixed; 20MHz, MCS3, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10599   AAB     EEE 802.11n (hT Mixed; 20MHz, MCS3, 90pc duty cycle)   WLAN   8.75   ± 9.6 %   10599   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.75   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.88   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.84   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10600   AAB     EEE 802.11n (hT Mixed; 40MHz, MCS3, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10600   AAB     EEE 802.11ac Wirl (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10600   AAB     EEE 802.11ac Wirl (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10600   AAB     EEE 802.11ac Wirl (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10600   AAB     EEE 802.11ac Wirl (20MHz, MCS3, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10600   AAB     EEE 802.11ac Wirl (20MHz, MCS3, 90pc duty cycle)				WLAN	8.63	± 9.6 %
10593   AAB						
10595   AAB     EEE 802.111 ()+T Mixed, 20MHz, MCS3, 90pc duty cycle)						
10595   AAB   EEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)   WLAN   8.74   ± 9.8 %   10597   AAB   EEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)   WLAN   8.72   ± 9.8 %   10597   AAB   EEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)   WLAN   8.72   ± 9.8 %   10599   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.79   ± 9.8 %   10599   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.79   ± 9.8 %   10590   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ± 9.8 %   10591   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ± 9.8 %   10591   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ± 9.8 %   10592   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ± 9.8 %   10592   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.94   5 %   10593   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.93   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.93   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, MCS6, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, MCS6, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, MCS6, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, MCS6, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, MCS6, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, MCS6, 90pc duty cycle)   WLAN   8.78   ± 9.6 %   10593   AAB   EEE 802.11n (HT Mixed, MCS6, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10593   AAB   EEE 802.11n (WT (20MHz, MCS6, 90pc du						
10599						
10699   AAB   IEEE 802.11n (HT Mixed, 20MHz, MCSF, 90pc duty cycle)   WLAN   8.70   ± 9.8 %   10699   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSD, 90pc duty cycle)   WLAN   8.79   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSD, 90pc duty cycle)   WLAN   8.79   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSC), 90pc duty cycle)   WLAN   8.82   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   8.82   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   8.82   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   9.03   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   9.03   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   8.94   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   8.76   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   8.97   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   8.97   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCSZ, 90pc duty cycle)   WLAN   8.97   ± 9.8 %   10690   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.77   ± 9.8 %   10690   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.77   ± 9.8 %   10690   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.77   ± 9.8 %   10610   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.78   ± 9.8 %   10610   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.78   ± 9.8 %   10611   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.78   ± 9.8 %   10611   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.78   ± 9.8 %   10616   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.78   ± 9.8 %   10616   AAB   IEEE 802.11n (WH) (20MHz, MCSZ, 90pc duty cycle)   WLAN   8.79   ± 9.8 %   10616   AAB   IEEE 8						
10699   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)   WLAN   8.79   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)   WLAN   8.88   ± 9.8 %   10690   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.88   ± 9.8 %   10692   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)   WLAN   8.84   ± 9.8 %   10692   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10693   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   9.93   ± 9.6 %   10693   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10693   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10693   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10693   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10693   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)   WLAN   8.97   ± 9.6 %   10693   AAB   IEEE 802.11ac WHI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10693   AAB   IEEE 802.11ac WHI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10693   AAB   IEEE 802.11ac WHI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10610   AAB   IEEE 802.11ac WHI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10611   AAB   IEEE 802.11ac WHI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10611   AAB   IEEE 802.11ac WHI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.70   ± 9.6 %   10613   AAB   IEEE 802.11ac WHI (20MHz, MCS6, 90pc duty cycle)   WLAN   8.70   ± 9.6 %   10613   AAB   IEEE 802.11ac WHI (20MHz, MCS6, 90pc duty cycle)   WLAN   8.70   ± 9.6 %   10614   AAB   IEEE 802.11ac WHI (20MHz, MCS6, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10615   AAB   IEEE 802.11ac WHI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10616   AAB   IEEE 802.11ac WHI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10616   AAB   IEEE 802.11ac WHI						***************************************
10690						
10600   AAB						
10601   AAB						
10602	10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
19603   AAB	10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6%
10603   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)   WLAN   9.03   ±9.6 %   10605   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)   WLAN   8.76   ±9.6 %   10606   AAB   IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)   WLAN   8.87   ±9.6 %   10607   AAB   IEEE 802.11n (WIT Mixed, 40MHz, MCS7, 90pc duty cycle)   WLAN   8.84   ±9.6 %   10608   AAB   IEEE 802.11nc WIFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.74   ±9.6 %   10609   AAB   IEEE 802.11nc WIFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10609   AAB   IEEE 802.11nc WIFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10610   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10611   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.78   ±9.6 %   10611   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.70   ±9.6 %   10613   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10614   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.77   ±9.6 %   10614   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.79   ±9.6 %   10616   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.59   ±9.6 %   10617   AAB   IEEE 802.11nc WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.59   ±9.6 %   10618   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ±9.6 %   10618   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ±9.6 %   10619   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ±9.6 %   10610   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ±9.6 %   10620   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ±9.6 %   10620   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.87   ±9.6 %   10620   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ±9.6 %   10620   AAB   IEEE 802.11nc WIFI (40MHz, MCS9, 90pc duty cycle)   WLA	10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10604   AAB				WLAN	9.03	± 9.6 %
10605						
10606						
10607   AAB   IEEE 802.11ac WiFI (20MHz, MCS1, 90pc duty cycle)   WLAN   8.64   £9.6 %   10609   AAB   IEEE 802.11ac WiFI (20MHz, MCS1, 90pc duty cycle)   WLAN   8.77   £9.6 %   10610   AAB   IEEE 802.11ac WiFI (20MHz, MCS2, 90pc duty cycle)   WLAN   8.77   £9.6 %   10610   AAB   IEEE 802.11ac WiFI (20MHz, MCS3, 90pc duty cycle)   WLAN   8.78   £9.6 %   10610   AAB   IEEE 802.11ac WiFI (20MHz, MCS3, 90pc duty cycle)   WLAN   8.70   £9.6 %   10611   AAB   IEEE 802.11ac WiFI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.70   £9.6 %   10612   AAB   IEEE 802.11ac WiFI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.77   £9.6 %   10613   AAB   IEEE 802.11ac WiFI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.77   £9.6 %   10614   AAB   IEEE 802.11ac WiFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.94   £9.6 %   10616   AAB   IEEE 802.11ac WiFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.82   £9.6 %   10616   AAB   IEEE 802.11ac WiFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.82   £9.6 %   10616   AAB   IEEE 802.11ac WiFI (40MHz, MCS0, 90pc duty cycle)   WLAN   8.82   £9.6 %   10619   AAB   IEEE 802.11ac WiFI (40MHz, MCS1, 90pc duty cycle)   WLAN   8.82   £9.6 %   10619   AAB   IEEE 802.11ac WiFI (40MHz, MCS1, 90pc duty cycle)   WLAN   8.81   £9.6 %   10619   AAB   IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.81   £9.6 %   10620   AAB   IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.86   £9.6 %   10622   AAB   IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.87   £9.6 %   10622   AAB   IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.87   £9.6 %   10622   AAB   IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.87   £9.6 %   10623   AAB   IEEE 802.11ac WiFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.88   £9.6 %   10623   AAB   IEEE 802.11ac WiFI (60MHz, MCS3, 90pc duty cycle)   WLAN   8.88   £9.6 %   10626   AAB   IEEE 802.11ac WiFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.88   £9.6 %   10626   AAB   IEEE 802.11ac WiFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.89   £9.6 %						
10608						
106609   AAB   IEEE 802.11ac WIFI (20MHz, MCS2, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10610   AAB   IEEE 802.11ac WIFI (20MHz, MCS3, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10612   AAB   IEEE 802.11ac WIFI (20MHz, MCS4, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10612   AAB   IEEE 802.11ac WIFI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10613   AAB   IEEE 802.11ac WIFI (20MHz, MCS5, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10614   AAB   IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10615   AAB   IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.59   ± 9.6 %   10616   AAB   IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10616   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10617   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10618   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10619   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10621   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10622   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10624   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10625   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.88   ± 9.8 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.88   ± 9.8 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)						
10610   AAB   IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)   WLAN   8.76   ± 9.6 %   10611   AAB   IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10613   AAB   IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10613   AAB   IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10614   AAB   IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10616   AAB   IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)   WLAN   8.92   ± 9.8 %   10616   AAB   IEEE 802.11ac WiFi (20MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10616   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10617   AAB   IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10618   AAB   IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10619   AAB   IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)   WLAN   8.58   ± 9.6 %   10620   AAB   IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)   WLAN   8.64   ± 9.6 %   10621   AAB   IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   10622   AAB   IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   10622   AAB   IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   10622   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10624   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10625   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)						
10611						
10612	- · · · · · · · · · · · · · · · · · · ·					
10613						
10614   AAB   IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle)   WLAN   8.59   ± 9.6 %   10616   AAB   IEEE 802.11ac WIFI (20MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10617   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10617   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10618   AAB   IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)   WLAN   8.58   ± 9.6 %   10619   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10622   AAB   IEEE 802.11ac WIFI (40MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10622   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10623   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10624   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.62   ± 9.6 %   10625   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10627   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10634   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)						***************************************
10616   AAB   IEEE 802.11ac WIFI (20MHz, MCS8, 90pc duty cycle)   WLAN   8.82 ± 9.6 %   10617   AAB   IEEE 802.11ac WIFI (40MHz, MCS1, 90pc duty cycle)   WLAN   8.81 ± 9.6 %   10618   AAB   IEEE 802.11ac WIFI (40MHz, MCS1, 90pc duty cycle)   WLAN   8.81 ± 9.6 %   10618   AAB   IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)   WLAN   8.58 ± 9.6 %   10619   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.86 ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS4, 90pc duty cycle)   WLAN   8.87 ± 9.6 %   10621   AAB   IEEE 802.11ac WIFI (40MHz, MCS4, 90pc duty cycle)   WLAN   8.77 ± 9.6 %   10622   AAB   IEEE 802.11ac WIFI (40MHz, MCS5, 90pc duty cycle)   WLAN   8.77 ± 9.6 %   10623   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68 ± 9.6 %   10623   AAB   IEEE 802.11ac WIFI (40MHz, MCS7, 90pc duty cycle)   WLAN   8.68 ± 9.6 %   10624   AAB   IEEE 802.11ac WIFI (40MHz, MCS7, 90pc duty cycle)   WLAN   8.68 ± 9.6 %   10625   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96 ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96 ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96 ± 9.6 %   10627   AAB   IEEE 802.11ac WIFI (80MHz, MCS1, 90pc duty cycle)   WLAN   8.83 ± 9.6 %   10628   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.83 ± 9.6 %   10628   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.83 ± 9.6 %   10630   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.81 ± 9.6 %   10631   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.81 ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.81 ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.81 ± 9.6 %   10634   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.81 ± 9.6 %   10634   AAB   IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)   WLAN   8.83 ± 9.6 %   10634   AAB   IEEE 8	10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)		8.94	
10616   AAB   IEEE 802.11ac WIFI (40MHz, MCS0, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10617   AAB   IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)   WLAN   8.58   ± 9.6 %   10619   AAB   IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10621   AAB   IEEE 802.11ac WIFI (40MHz, MCS4, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10622   AAB   IEEE 802.11ac WIFI (40MHz, MCS5, 90pc duty cycle)   WLAN   8.67   ± 9.6 %   10622   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10623   AAB   IEEE 802.11ac WIFI (40MHz, MCS7, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10624   AAB   IEEE 802.11ac WIFI (40MHz, MCS8, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10625   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10629   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10631   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)	10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10616   AAB   IEEE 802.11ac WIFI (40MHz, MCS0, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10617   AAB   IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)   WLAN   8.58   ± 9.6 %   10619   AAB   IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)   WLAN   8.58   ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10620   AAB   IEEE 802.11ac WIFI (40MHz, MCS3, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10621   AAB   IEEE 802.11ac WIFI (40MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10622   AAB   IEEE 802.11ac WIFI (40MHz, MCS5, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10623   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10624   AAB   IEEE 802.11ac WIFI (40MHz, MCS6, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10625   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10628   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10631   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle)	10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617   AAB			IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10618					8.81	
10619						
10620						
10621   AAB   IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10622   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10623   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10624   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10625   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10632   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10635   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10637   AAC   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cyc						
10622   AAB   IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)   WLAN   8.68   ± 9.6 %   10623   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10624   AAB   IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10625   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10635   AAB   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10637   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10640   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10641   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty c					,,	
10623						
10624   AAB   IEEE 802.11ac WIFi (40MHz, MCS8, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10625   AAB   IEEE 802.11ac WIFi (40MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10626   AAB   IEEE 802.11ac WIFI (80MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WIFI (80MHz, MCS1, 90pc duty cycle)   WLAN   8.88   ± 9.6 %   10628   AAB   IEEE 802.11ac WIFI (80MHz, MCS1, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10629   AAB   IEEE 802.11ac WIFI (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10630   AAB   IEEE 802.11ac WIFI (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WIFI (80MHz, MCS5, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10632   AAB   IEEE 802.11ac WIFI (80MHz, MCS5, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10633   AAB   IEEE 802.11ac WIFI (80MHz, MCS8, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10636   AAC   IEEE 802.11ac WIFI (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10637   AAC   IEEE 802.11ac WIFI (160MHz, MCS1, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10639   AAC   IEEE 802.11ac WIFI (160MHz, MCS1, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10640   AAC   IEEE 802.11ac WIFI (160MHz, MCS3, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10640   AAC   IEEE 802.11ac WIFI (160MHz, MCS3, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WIFI (160MHz, MCS5, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WIFI (160MHz, MCS5, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10644   AAC   IEEE 802.11ac WIFI (160MHz, MCS5, 90pc duty cycle)   WLAN   8.89   ± 9.6 %   10646   AAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)   LTE-TDD   11.96   ± 9.6 %   10647   AAC   IEEE 802.11ac WIFI (160MHz, MCS9, 9		<del></del>				
10625		<del></del>				
10626   AAB   IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   WLAN   8.88   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10632   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10635   AAB   IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.87   ± 9.6 %   10639   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10640   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10640   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.96   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.99   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.90   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.90   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.90   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   9.05   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160Mtz, MCS9, 90pc d						
10627   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   WLAN   8.88   ± 9.6 %   10628   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   WLAN   8.71   ± 9.6 %   10629   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10630   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   WLAN   8.72   ± 9.6 %   10631   AAB   IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10632   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.74   ± 9.6 %   10633   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10634   AAB   IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)   WLAN   8.80   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10636   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10637   AAC   IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)   WLAN   8.83   ± 9.6 %   10638   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.86   ± 9.6 %   10639   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10640   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.85   ± 9.6 %   10641   AAC   IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)   WLAN   8.98   ± 9.6 %   10642   AAC   IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)   WLAN   8.98   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   8.98   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.06   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)   WLAN   9.06   ± 9.6 %   10644   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)   WLAN   9.05   ± 9.6 %   10646   AAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)   LTE-TDD   11.96   ± 9.6 %   10648   AAA   CDMA2000 (1x Advanced)   CDMA20	10625	AAB				
10628         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)         WLAN         8.71         ± 9.6 %           10629         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10630         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)         WLAN         8.72         ± 9.6 %           10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC <td>10626</td> <td>AAB</td> <td>IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)</td> <td></td> <td>8.83</td> <td></td>	10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)		8.83	
10629         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10630         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)         WLAN         8.72         ± 9.6 %           10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC <td>10627</td> <td>AAB</td> <td>IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)</td> <td></td> <td>8.88</td> <td></td>	10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)		8.88	
10629         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10630         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)         WLAN         8.72         ± 9.6 %           10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC <td>10628</td> <td>AAB</td> <td>IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)</td> <td>WLAN</td> <td>8.71</td> <td>± 9.6 %</td>	10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10630         AAB         IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)         WLAN         8.72         ± 9.6 %           10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC </td <td></td> <td>AAB</td> <td></td> <td>WLAN</td> <td>8.85</td> <td>± 9.6 %</td>		AAB		WLAN	8.85	± 9.6 %
10631         AAB         IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.95         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC </td <td></td> <td><del></del></td> <td></td> <td>WLAN</td> <td></td> <td>± 9.6 %</td>		<del></del>		WLAN		± 9.6 %
10632         AAB         IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC						
10633         AAB         IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC						
10634         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)         WLAN         8.80         ± 9.6 %           10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AA						
10635         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         A						
10636         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)         WLAN         8.83         ± 9.6 %           10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646						
10637         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648		-				
10638         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)         WLAN         8.86         ± 9.6 %           10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD						
10639         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)         WLAN         8.85         ± 9.6 %           10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %           10653 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10640         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)         WLAN         8.98         ± 9.6 %           10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %					<u> </u>	
10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %						
10641         AAC         IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %	10640	AAC				
10642         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)         WLAN         9.06         ± 9.6 %           10643         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)         WLAN         8.89         ± 9.6 %           10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %	10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)			
10643       AAC       IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)       WLAN       8.89       ± 9.6 %         10644       AAC       IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)       WLAN       9.05       ± 9.6 %         10645       AAC       IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)       WLAN       9.11       ± 9.6 %         10646       AAF       LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)       LTE-TDD       11.96       ± 9.6 %         10647       AAF       LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)       LTE-TDD       11.96       ± 9.6 %         10648       AAA       CDMA2000 (1x Advanced)       CDMA2000       3.45       ± 9.6 %         10652       AAD       LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)       LTE-TDD       6.91       ± 9.6 %         10653       AAD       LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)       LTE-TDD       7.42       ± 9.6 %				WLAN	9.06	
10644         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)         WLAN         9.05         ± 9.6 %           10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %					8.89	± 9.6 %
10645         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)         WLAN         9.11         ± 9.6 %           10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %						
10646         AAF         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %						
10647         AAF         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)         LTE-TDD         11.96         ± 9.6 %           10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %						
10648         AAA         CDMA2000 (1x Advanced)         CDMA2000         3.45         ± 9.6 %           10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %						
10652         AAD         LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         6.91         ± 9.6 %           10653         AAD         LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)         LTE-TDD         7.42         ± 9.6 %						
10653 AAD 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 %					·	
	10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LIE-IUU	6.96	1 ± 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 %

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
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Multilateral Agreement for the recognition of calibration certificates

Client

**PC Test** 

Accreditation No.: SCS 0108

Certificate No: EX3-7308\_Aug19

## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7308

Calibration procedure(s)

QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes

Calibration date:

August 16, 2019

DA -30-2016

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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Арг-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Calibrated by:

Claudio Leubler

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: August 17, 2019

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

### **Calibration Laboratory of**

Schmid & Partner
Engineering AG
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Accreditation No.: SCS 0108

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Glossary:

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

ConvF

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

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

Polarization φ

φ rotation around probe axis

Polarization 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) 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 handheld 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"

#### 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).

August 16, 2019 EX3DV4 -- SN:7308

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7308

**Basic Calibration Parameters** 

Dasic Galibration Fara	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.49	0.59	0.44	± 10.1 %
DCP (mV) <sup>B</sup>	100.2	95.2	99.6	

Calibratian Booults for Modulation Resnonse

UID	ion Results for Modulation Communication System Name	1400	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	163.2	± 2.7 %	± 4.7 %
U	0,,,	Y	0.00	0.00	1.00		158.0		ı
		Z	0.00	0.00	1.00		156.0		
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	87.65	19.50	10.00	60.0	± 3.0 %	± 9.6 %
AAA		Y	15.00	87.63	19.80		60.0		
, , , ,		Z	15.00	85.44	18.12		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	90.96	19.99	6.99	80.0	± 1.9 %	± 9.6 %
AAA	,	Y	15.00	90.06	19.63		80.0		
		Z	15.00	87.16	17.63		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	98.78	22.36	3.98	95.0	± 1.4 %	± 9.6 %
AAA		Y	15.00	93.68	19.62		95.0		Ì
		Z	15.00	93.44	19.14		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	15.00	116.73	29.23	2.22	120.0	± 1.7 %	± 9.6 %
AAA		Y	15.00	91.04	16.59		120.0		
		Z	15.00	110.36	25,36		120.0		
10387-	QPSK Waveform, 1 MHz	X	1.31	69.49	13.82	0.00	150.0	± 3.0 %	± 9.6 %
AAA		Y	1.10	67.48	12.38		150.0		
		Z	0.62	61.98	8.52		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.80	72.34	18.09	0,00	150.0	」±1.8%	± 9.6 %
AAA	,	Y	2.95	73.48	18.66		150.0		
		Z	2.53	71.44	17.69		150.0		ļ
10396-	64-QAM Waveform, 100 kHz	X	3.37	73.39	20.27	3.01	150.0	± 1.2 %	± 9.6 %
AAA		Υ	3.51	74.17	21.30		150.0		
		Z	3.52	75.75	21.34		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.69	68.31	16.63	0.00	150.0	± 1.8 %	± 9.6 %
AAA		Υ	3.81	68.87	17.06	1	150.0	4	
		Z	3.62	68.32	16.59		150.0		ļ
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.93	65.97	15.89	0.00	150.0	± 3.9 %	± 9.6 %
AAA		Υ	5.11	66.50	16.37	_	150.0	4	
	1	Z	4.86	66.27	16.01		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%.

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

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:7308

**Sensor Model Parameters** 

511301 1	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V⁻²	T5 V <sup>-1</sup>	Т6
Υ	49.8	370.85	35.61	10.75	0.21	5.08	0.98	0.32	1.01
$-\hat{\vee}$	51.6	405.23	39.25	10.28	0.51	5.10	0.00	0.57	1.01
<del>'</del>	38.4	284.05	35.17	7.94	0.25	5.05	2.00	0.06	1.01

## **Other Probe Parameters**

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Sensor Arrangement	Triangular
Connector Angle (°)	106.3
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

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7308

## 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	10.20	10.20	10.20	0.50	0.80	± 12.0 %
835	41.5	0.90	9.87	9.87	9.87	0.47	0.86	± 12.0 %
1750	40.1	1.37	8.50	8.50	8.50	0.31	0.85	± 12.0 %
1900	40.0	1.40	8.17	8.17	8.17	0.28	0.85	± 12.0 %
2300	39.5	1.67	7.74	7.74	7.74	0.26	0.97	± 12.0 %
2450	39.2	1.80	7.38	7.38	7.38	0.35	0.87	± 12.0 %
2600	39.0	1.96	7.18	7.18	7.18	0.31	0.94	± 12.0 %

<sup>&</sup>lt;sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  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  $\pm$  110 MHz.

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

<sup>&</sup>lt;sup>F</sup> 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 ConyE uncertainty for indicated target tissue parameters.

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:7308

## Calibration Parameter Determined in Body 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	55.5	0.96	10.59	10.59	10.59	0.35	1.01	± 12.0 %
835	55.2	0.97	10.43	10.43	10.43	0.50	0.85	± 12.0 %
1750	53.4	1.49	8.25	8.25	8.25	0.37	0.85	± 12.0 %
1900	53.3	1.52	7.87	7.87	7.87	0.36	0.85	± 12.0 %
2300	52.9	1.81	7.75	7.75	7.75	0.40	0.87	± 12.0 %
2450	52.7	1.95	7.46	7.46	7.46	0.36	0.88	± 12.0 %
2600	52.5	2.16	7.37	7.37	7,37	0.30	0.95	± 12.0 %

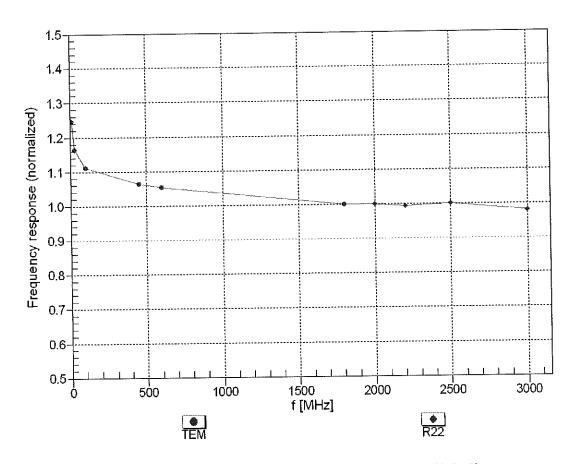
<sup>&</sup>lt;sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency 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.

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 values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

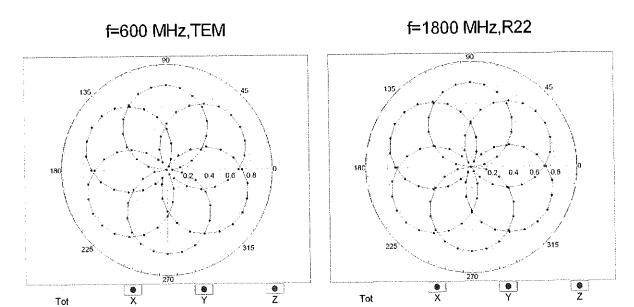
<sup>a</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter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

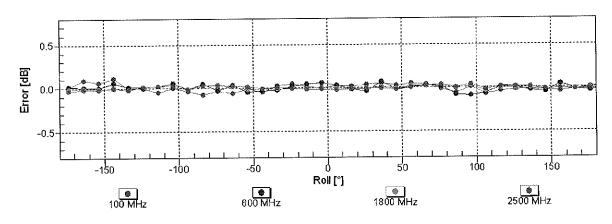
# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field:  $\pm$  6.3% (k=2)

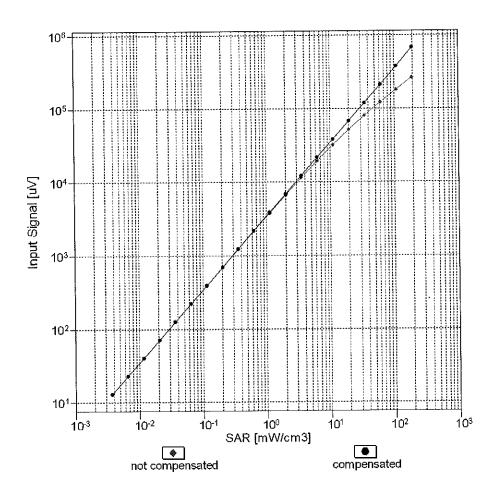
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

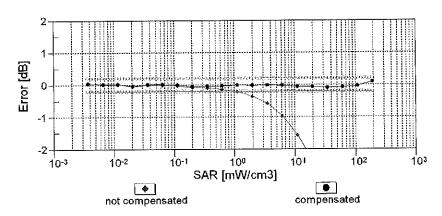




Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  (k=2)

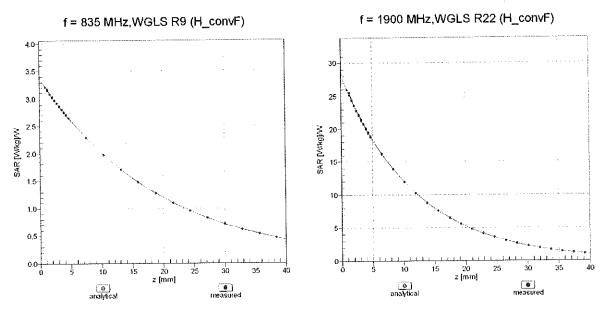
# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)



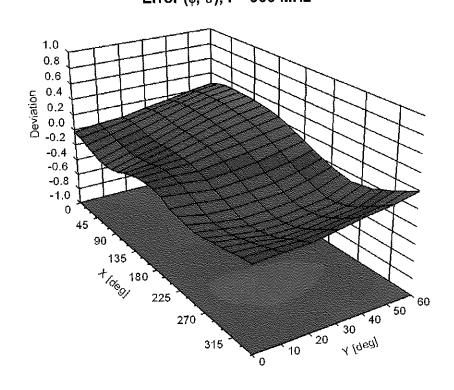


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

## **Conversion Factor Assessment**



## Deviation from Isotropy in Liquid Error ( $\phi$ , $\vartheta$ ), f = 900 MHz



## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR	Unc <sup>E</sup>
			0107	(dB)	(k=2)
0		CW CO	CW	0.00	±4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 % ± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA WLAN	2.91 1.87	± 9.6 %
10012 10013	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	9,46	± 9.6 %
10013	DAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	GSM	9.39	±9.6 %
10021		GSM-FDD (TDMA, GMSK) GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)  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 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	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	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN WLAN	10.24 10.56	±9.6 % ±9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10071	CAB		WLAN	9.62	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10073	CAB CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	10.30	± 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	11.00	± 9.6 %
10077	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10082	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
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 %
		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

10220	CAC	IEEE 902 44n (HT Miyod 42 2 Mhma 46 OAM)	10/1 001	0.40	1000
10220 10221	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN WLAN	8.13 8.27	±9.6%
10222	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.06	±9.6 % ±9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 16-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	CAB	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 (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD LTE-TDD	10.06 10.06	± 9.6 % ± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	9.30	±9.6 %
10240	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QFSK)	LTE-TDD	9.91	± 9.6 %
10247	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	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, 100% 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%
10258	CAB	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	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6%
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262		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 (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	10.07	±9.6%
10267	CAG	1	LTE-TDD	9.30 10.06	± 9.6 % ± 9.6 %
10268 10269	CAF CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD LTE-TDD	10.08	± 9.6 %
10209	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	9.58	± 9.6 %
10270	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10274	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 %
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	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	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	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6%
10462	AAB	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	AAB	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	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL. Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAC	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	AAC	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	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9,6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAF	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	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	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	AAF	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	AAF	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	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6%
10480	AAB	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	AAB	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	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAC	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	AAC	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6%
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAF	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	AAF	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10536         AAB         IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)         WLAN         8.32         ± 9.           10537         AAB         IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)         WLAN         8.44         ± 9.           10538         AAB         IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)         WLAN         8.54         ± 9.           10540         AAB         IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)         WLAN         8.39         ± 9.           10541         AAB         IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)         WLAN         8.46         ± 9.           10542         AAB         IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)         WLAN         8.65         ± 9.           10543         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)         WLAN         8.65         ± 9.           10544         AAB         IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.           10545         AAB         IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)         WLAN         8.35         ± 9.           10546         AAB         IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)         WLAN         8.35         ± 9.           10548         AAB         IEEE 802.11ac WiFi	3 % 3 % 3 8 3 8 3 8 3 8 3 8 3 8 3 8 3 8 3 8 3 8
10537	5 % 5 % 5 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6
10538	3 % 3 % 3 8 3 8 3 8 3 8 3 8 3 8 3 8 3 8 3 8 3 8
10540	5 % 5 % 5 % 5 % 5 % 5 % 5 % 5 % 5 % 5 %
10540	5 % 5 % 5 % 5 % 5 % 5 % 5 % 5 % 5 % 5 %
10541   AAB   IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)   WLAN   8.46   ± 9   10542   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)   WLAN   8.65   ± 9   10543   AAB   IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)   WLAN   8.47   ± 9   10544   AAB   IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)   WLAN   8.47   ± 9   10545   AAB   IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)   WLAN   8.55   ± 9   10545   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)   WLAN   8.35   ± 9   10547   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.37   ± 9   10548   AAB   IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   WLAN   8.37   ± 9   10550   AAB   IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)   WLAN   8.37   ± 9   10551   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)   WLAN   8.38   ± 9   10552   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)   WLAN   8.40   ± 9   10553   AAB   IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)   WLAN   8.45   ± 9   10555   AAC   IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   WLAN   8.45   ± 9   10555   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.47   ± 9   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.48   ± 9   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.47   ± 9   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50   ± 9   10558   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50   ± 9   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.50   ± 9   10556   AAC   IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)   WLAN   8.51   ± 9   10556   AAC   IEEE 802.11ac WiFi (160Mtz, MCS9, 99pc duty cycle)   WLAN   8.52   ± 9   10556   AAC   IEEE 802.11ac WiFi (150Mtz, MCS9, 99pc duty cycle)   WLAN   8.51   ± 9   10566   AAC   IEEE 802.11ac WiFi (150Mtz, MCS9, 99pc duty cycle)   WLAN   8.51   ± 9   10566   AAC   IEEE 802.11ac WiFi (150Mtz, MCS9, 99pc dut	6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 %
10542	3 % 3 % 3 % 3 % 3 % 3 3 %
10543	3 % 3 % 3 3 %
10544	5 % 5 % 5 3 % 5 3 % 5 3 % 5 3 % 5 5 % 5 5 % 5 5 %
10545	3 % 3 3 %
10546   AAB   IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)   WLAN   8.35   ± 9.	3 % 3 3 %
10547	6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 %
10548	6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 %
10550	6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 %
10551	6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 %
10552         AAB         IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)         WLAN         8.42         ± 9.           10553         AAB         IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.           10554         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)         WLAN         8.48         ± 9.           10555         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)         WLAN         8.47         ± 9.           10556         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)         WLAN         8.50         ± 9.           10557         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)         WLAN         8.50         ± 9.           10557         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)         WLAN         8.52         ± 9.           10558         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)         WLAN         8.73         ± 9.           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.56         ± 9.           10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11	6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 %
10553	6 % 6 % 6 % 6 % 6 % 6 % 6 %
10554         AAC         IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)         WLAN         8.48         ± 9.           10555         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)         WLAN         8.47         ± 9.           10556         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)         WLAN         8.50         ± 9.           10557         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)         WLAN         8.52         ± 9.           10558         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)         WLAN         8.61         ± 9.           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.73         ± 9.           10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.56         ± 9.           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty         WLAN         8.25         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty         WLAN         8.45         ± 9.           10565         AAA <t< td=""><td>3 % 6 % 6 % 6 % 6 % 6 % 6 %</td></t<>	3 % 6 % 6 % 6 % 6 % 6 % 6 %
10555         AAC         IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)         WLAN         8.47         ± 9.           10556         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)         WLAN         8.50         ± 9.           10557         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)         WLAN         8.52         ± 9.           10558         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)         WLAN         8.61         ± 9.           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.73         ± 9.           10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.56         ± 9.           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.25         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10566         AAA </td <td>6 % 6 % 6 % 6 % 6 % 6 % 6 %</td>	6 % 6 % 6 % 6 % 6 % 6 % 6 %
10556	6 % 6 % 6 % 6 % 6 %
10556         AAC         IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)         WLAN         8.50         ± 9.           10557         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)         WLAN         8.52         ± 9.           10558         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)         WLAN         8.61         ± 9.           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.73         ± 9.           10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.69         ± 9.           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10567	6 % 6 % 6 % 6 % 6 %
10557         AAC         IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)         WLAN         8.52         ± 9.           10558         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)         WLAN         8.61         ± 9.           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.73         ± 9.           10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.56         ± 9.           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.25         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10	6 % 6 % 6 % 6 % 6 %
10558         AAC         IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)         WLAN         8.61         ± 9.           10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.73         ± 9.           10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.56         ± 9.           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.25         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.37         ± 9.	6 % 6 % 6 % 6 % 6 %
10560         AAC         IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)         WLAN         8.73         ± 9.           10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.56         ± 9.           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.25         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty         WLAN         8.37         ± 9.	6 % 6 % 6 % 6 %
10561         AAC         IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)         WLAN         8.56         ± 9.           10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.25         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.37         ± 9.	6 % 6 % 6 %
10562         AAC         IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)         WLAN         8.69         ± 9.           10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.25         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty         WLAN         8.37         ± 9.	6 % 6 %
10563         AAC         IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)         WLAN         8.77         ± 9.           10564         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.25         ± 9.           10565         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty         WLAN         8.37         ± 9.	3 % 3 %
10564       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)       WLAN       8.25       ± 9.         10565       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.         10566       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.13       ± 9.         10567       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)       WLAN       8.00       ± 9.         10568       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty       WLAN       8.37       ± 9.	3 %
Cycle     10565   AAA     IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty   WLAN   8.45   ± 9.     10566   AAA     IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty   WLAN   8.13   ± 9.     10567   AAA     IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty   WLAN   8.00   ± 9.     10568   AAA     IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty   WLAN   8.37   ± 9.     10568   AAA     IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty   WLAN   8.37   ± 9.     10568	
10565       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.         10566       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.13       ± 9.         10567       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)       WLAN       8.00       ± 9.         10568       AAA       IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty       WLAN       8.37       ± 9.	3 0/-
cycle)         cycle)           10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty         WLAN         8.37         ± 9.	3 0/-
10566         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.13         ± 9.           10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty         WLAN         8.37         ± 9.	0/ ر
10567   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)   10568   AAA   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty   WLAN   8.37   ± 9.	
10567         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)         WLAN         8.00         ± 9.           10568         AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty         WLAN         8.37         ± 9.	3 %
cycle)	
10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty WLAN 8.37 ± 9.	3 %
cycle)	3 %
10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty WLAN 8.10 ± 9.	3 %
cycle)	
10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty WLAN 8.30 ± 9.	3 %
cycle)	
10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.	3 %
10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) WLAN 1.99 ± 9.	
10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.	
10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle) WLAN 1.98 ± 9.	~~~~~~~
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	) %
cycle)	3.07
	۱% (
cycle)	
10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty WLAN 8.70 ± 9.	j %
cycle)	
10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty WLAN 8.49 ± 9.	3 %
cycle)	
10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty WLAN 8.36 ± 9.	3 %
cycle)	
10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty WLAN 8.76 ± 9.	3 %
cycle)	
10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty WLAN 8.35 ± 9.	3 %
cycle)	
10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty WLAN 8.67 ± 9.	3 %
cycle)	,,,
10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.59 ± 9.	3 0/2
	, m
	3 %
	3 % 3 %
10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ± 9.	3 % 3 % 3 %

10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.04	1060/
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	7.21 10.00	±9.6% ±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	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6%
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10681 10682	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle) IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.83	±9.6%
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN WLAN	8.42	±9.6%
10685	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26 8.33	± 9.6 % ± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6%
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6%
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10701 10702	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN WLAN	8.70 8.82	±9.6%
10703	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6 % ±9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6%
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6%
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6%
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6%
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6%
10721 10722	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6%
10722	AAA AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN WLAN	8.55 8.70	± 9.6 % ± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (60MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %
		,			

10783	AAA	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1	8.31	± 9.6 %
10784	AAA	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.29	± 9.6 %
10785	AAA	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.40	± 9.6 %
10786	AAA	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.35	± 9.6 %
10787	AAA	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.44	± 9.6 %
10788	AAA	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.39	± 9.6 %
10789	AAA	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.37	± 9.6 %
10790	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	TDD 5G NR FR1	8.39	± 9.6 %
10791	AAA	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.83	± 9.6 %
10792	AAA	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.92	± 9.6 %
10793	AAA	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.95	± 9.6 %
10794	AAA	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.82	± 9.6 %
10795	AAA	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.84	± 9.6 %
10796	AAA	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	7.82	± 9.6 %
10797	AAA	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	TDD 5G NR FR1	8.01	± 9.6 %
	AAA	· · · · · · · · · · · · · · · · · · ·	TDD		
10798		5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6%
10799	AAA	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAA	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAA	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAA	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAA	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAA	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAA	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAA	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAA	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAA	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAA	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1	8.33	± 9.6 %
10820	AAA	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAA	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1	8.41	± 9.6 %
10822	AAA	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1	8.41	± 9.6 %
10823	AAA	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1	8.36	± 9.6 %
	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1	8.39	± 9.6 %

10871	AAA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	5.75	± 9.6 %
10872	AAA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	6.52	± 9.6 %
40070		LOND (DET. COD)	TDD		<u></u>
10873	AAA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	6.65	± 9.6 %
10875	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	7.95	± 9.6 %
10878	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2	8.41	± 9.6 %
10879	AAA	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	8.12	± 9.6 %
10880	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2	8.38	± 9.6 %
10881	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	5.96	± 9.6 %
10883	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	6.57	± 9.6 %
10884	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	6.53	± 9.6 %
10885	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	6.61	±9.6 %
10886	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	7.78	± 9.6 %
10888	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2	8.35	± 9.6 %
10889	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	8.02	± 9.6 %
10890	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2	8.40	± 9.6 %
10891	AAA	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	8.13	± 9.6 %
10892	AAA	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2	8.41	± 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





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

**PC Test** 

Certificate No: EX3-7357\_Apr19

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## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7357

Calibration procedure(s)

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

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

BN 4-29-2010

Calibration date:

April 24, 2019

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	03-Apr-19 (No. 217-02892/02893)	Apr-20		
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20		
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20		
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20		
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19		
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19		
Secondary Standards	(D	Check Date (in house)	Scheduled Check		
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20		
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check; Jun-20		
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20		
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20		
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19		

Calibrated by:

Claudio Leubler

Claudio Leubler

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: April 24, 2019

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

## **Calibration Laboratory of**

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

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

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

Polarization φ

φ rotation around probe axis

Polarization 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) 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 handheld 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"

### 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).

EX3DV4 - SN:7357

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7357

### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m)²) <sup>A</sup>	0.37	0.48	0.41	± 10.1 %
DCP (mV) <sup>B</sup>	87.5	101.0	95.2	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	175.5	± 2.7 %	± 4.7 %
		Y	0.00	0.00	1.00	1	162.7		
		Z	0.00	0.00	1.00	1	160.1		
10352-	Pulse Waveform (200Hz, 10%)	Х	1.63	60.99	8.59	10.00	60.0	± 3.2 %	± 9.6 %
AAA	· ·	Υ	15.00	88.78	20.10		60.0		
		Z	1.92	62,77	9.39	1	60.0		
10353-	Pulse Waveform (200Hz, 20%)	Х	1.28	62.05	7.66	6.99	80.0	± 2.1 %	± 9.6 %
AAA		Y	15.00	92.12	20.60		80.0		
		Z	1.44	63.37	8.24	1	80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.53	60.00	5.08	3.98	95.0	± 1.2 %	± 9.6 %
AAA		Y	15.00	98.74	22.38		95.0		
		Z	0.50	60.00	4.96		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.34	60.00	3.46	2.22	120.0	± 1.3 %	± 9.6 %
AAA		Y	15.00	122.09	31.59		120.0		
	<u> </u>	Z	0.32	60.00	3.17		120.0		
10387-	QPSK Waveform, 1 MHz	Х	0.47	60.00	5.85	0.00	150.0	± 3.4 %	± 9.6 %
AAA		Υ	0.84	63.60	10.73		150.0		
		Z	0.47	60.00	5.64		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.22	69.17	16.45	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Υ	2.39	69.28	16.48		150.0		
		Z	2.05	67.86	15.44	1	150.0		
10396-	64-QAM Waveform, 100 kHz	Х	1.74	66.32	18.65	3.01	150.0	± 6.4 %	± 9.6 %
AAA		Υ	3.21	72.13	19.45		150.0		
		Z	2.50	68.64	18.00		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.50	67.46	16.21	0.00	150.0	± 2.5 %	± 9.6 %
AAA		Υ	3.59	67.57	16.11		150.0		
		Z	3.40	67.11	15.75		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.79	65.80	15.93	0.00	150.0	± 4.6 %	± 9.6 %
AAA		Υ	4.92	65.80	15.71	]	150.0		
		Z	4.73	65.72	15.66		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.

C 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:7357

## **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	37.3	299.85	40.64	5.98	0.77	5.00	0.00	0.00	1.02
Υ	48.9	366.83	35.90	10.43	0.11	5.09	1.58	0.24	1.01
Z	37.8	294.77	38.42	5.12	0.55	5.04	0.00	0.43	1.01

## **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	14.2
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

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7357

## Calibration Parameter Determined in Head 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)
64	54.2	0.75	14.77	14.77	14.77	0.00	1.00	± 13.3 %
750	41.9	0.89	10.26	10.26	10.26	0.45	0.95	± 12.0 %
835	41.5	0.90	9.91	9.91	9.91	0.53	0.85	± 12.0 %
1750	40.1	1.37	8.69	8.69	8.69	0.35	0.80	± 12.0 %
1900	40.0	1.40	8.26	8.26	8.26	0.33	0.84	± 12.0 %
2300	39.5	1.67	7.70	7.70	7.70	0.33	0.85	± 12.0 %
2450	39.2	1.80	7.57	7.57	7.57	0.39	0.85	± 12.0 %
2600	39.0	1.96	7.31	7.31	7.31	0.40	0.80	± 12.0 %
5250	35.9	4.71	5.45	5.45	5.45	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.85	4.85	4.85	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.06	5.06	5.06	0.40	1.80	± 13.1 %

<sup>&</sup>lt;sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  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  $\pm$  110 MHz.

<sup>6</sup> 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 values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

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.

#### Calibration Parameter Determined in Body 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>6</sup> (mm)	Unc (k=2)
750	55.5	0.96	10.19	10.19	10.19	0.37	0.96	± 12.0 %
835	55.2	0.97	9.95	9.95	9.95	0.47	0.80	± 12.0 %
1750	53.4	1.49	8.26	8.26	8.26	0.35	0.85	± 12.0 %
1900	53.3	1.52	7.93	7.93	7.93	0.32	0.90	± 12.0 %
2300	52.9	1.81	7.72	7.72	7.72	0.30	0.85	± 12.0 %
2450	52.7	1.95	7.59	7.59	7.59	0.35	0.86	± 12.0 %
2600	52.5	2.16	7.39	7.39	7.39	0.32	0.89	± 12.0 %
5250	48.9	5.36	4.61	4.61	4.61	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.03	4.03	4.03	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.15	4.15	4.15	0.50	1.90	± 13.1 %

<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.

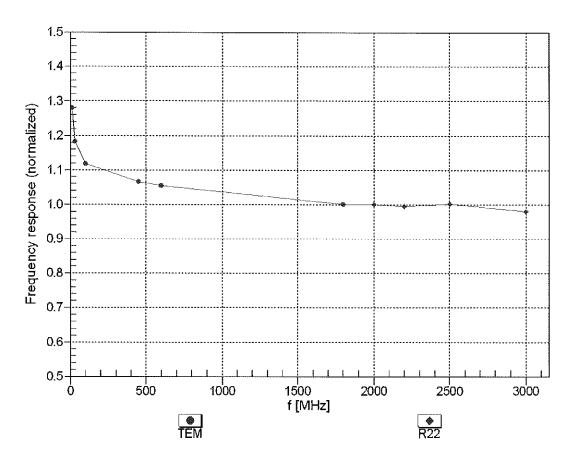
F At frequencies below 3 GHz, the validity of tissue parameters (e and a) can be relayed to ± 10% if liquid comprehensition formula is applied to

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 values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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.

# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

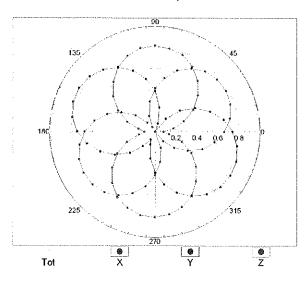


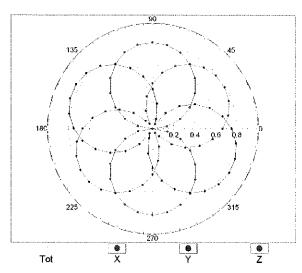
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

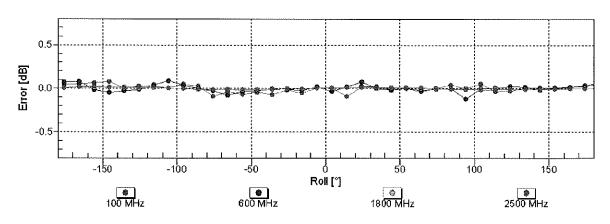
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

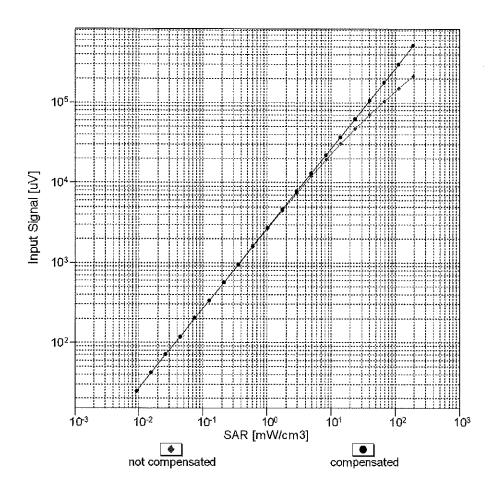


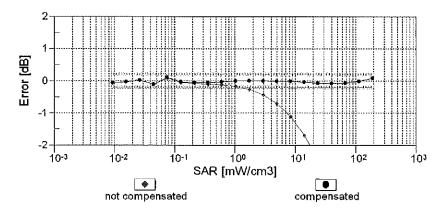




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

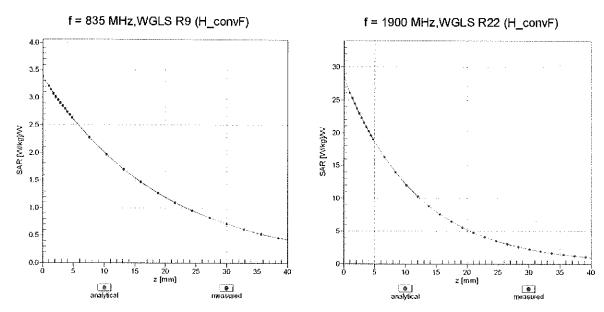
## Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)



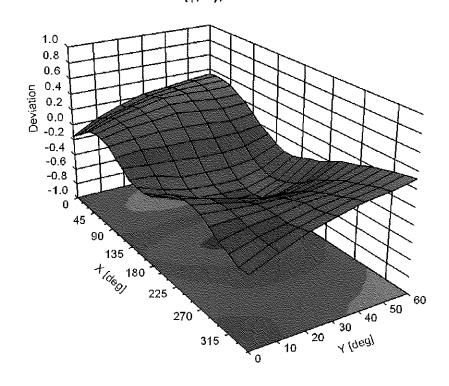


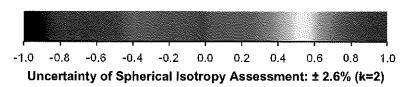
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

## **Conversion Factor Assessment**



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





## **Appendix: Modulation Calibration Parameters**

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, 100ms, 10ms)	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	±96%
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6%
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6%
10036	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 WLAN	6.52	±9.6%
10059 10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12 2.83	± 9.6 % ± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10061	CAC	IEEE 802.11a/h WiFi 5 GHz (DS35, 11 Mbps)	WLAN	8.68	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.63	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 16 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	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 %
10071	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	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
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 %
10100	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)			

					,
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		
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	****	6.62	± 9.6 %
10115	CAC		WLAN	8.10	± 9.6 %
		IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	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	
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)			± 9.6 %
10149	CAE	LTE EDD (SC EDMA 50% PB 20 MHz 46 OAM)	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	·	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
	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	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD		
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)		5.82	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.43	± 9.6 %
10166	CAF		LTE-FDD	6.58	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
	-	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	<del></del>	
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	5.73	±9.6%
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)		6.52	±9.6%
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LITE FOD (SC FOMA 4 DR 45 MUL ODOM)	LTE-FDD	6.50	±9.6%
		LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
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	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)			
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.12	±9.6%
10196	CAC	IEEE 802.11n (HT Greenlieid, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10190	CAC		WLAN	8.10	± 9.6 %
		IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6%
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

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10220	CAC	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	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN WLAN	8.06 8.48	± 9.6 % ± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) 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	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6 %
10229	CAC	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	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6%
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	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	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6%
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6 % ±9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD LTE-TDD	10.09 9.29	± 9.6 %
10249 10250	CAF CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TOD	10.17	±9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TOD	9.24	± 9.6 %
10252	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	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6%
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6%
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6%
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6%
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAF	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	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 CDMA2000	12.18 3.91	± 9.6 % ± 9.6 %
10290 10291	AAB AAB	CDMA2000, RC1, SO55, Full Rate  CDMA2000, RC3, SO55, Full Rate	CDMA2000 CDMA2000	3.46	± 9.6 %
10291	AAB	CDMA2000, RC3, SO33, Full Rate	CDMA2000 CDMA2000	3.39	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC3, SO3, Pull Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10293	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 30 % RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
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10300 10301	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WiMAX WiMAX	12.03	± 9.6 %
10302	~~~	symbols)	WINAX	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, 15	WIMAX	15.24	± 9.6 %
		symbols)	, , , , , , , , , , , , , , , , , , ,	10.21	20.070
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WIMAX	14.67	± 9.6 %
		symbols)			,
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	± 9.6 %
40000		symbols)			
10308	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, 18	WIMAX	14.58	± 9.6 %
10310	AAA	symbols)   IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	18034036	44 67	
10010	1	symbols)	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 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	AAC	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 10399	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA AAD	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN WLAN	8.60 8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 % ± 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	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)		1.02	± 0.0 /0
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 duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	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,	WLAN	8.14	± 9.6 %
10419	AAA	Long preambule) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	1841 631	0.10	10000
10413	\_\_\\	Short preambule)	WLAN	8.19	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	0 20	1060/
10423	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, 16-QAM)	WLAN	8.32 8.47	±9.6%
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 % ± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6%
10426	AAB	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	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	LTE-TDD	7.82	± 9.6 %
10447	A A D	Subframe=2,3,4,7,8,9)			
10447 10448	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-1M 3.1, Clipping 44%)  LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6 %
10-700	11/10	ETE TOO (OF DIVIN, 20 WITZ, ETTW 3.1, CHIPPING 44%)	LTE-FDD	7.48	± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	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	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	±9.6 %
		Subframe=2,3,4,7,8,9)			
10462	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10466	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10467	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10468	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL.	LTE-TDD	8.32	± 9.6 %
10469	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10470	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10471	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10472	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10473	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10474	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10475	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10477	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10478	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10479	AAA	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10480	AAA	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
10481	AAA	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
10482	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
10483	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
10484	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
10485	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
		Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	± 9.6 %
10486	AAE	Subframe=2,3,4,7,8,9)			
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10492						
1949a	10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
19494	10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10496	10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10496	10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.37	± 9.6 %
1049  AAA	10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10498	10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
10499	10498	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
10500	10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	± 9.6 %
10501   AAB   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL   LTE-TDD   6.44   ± 9.6 %   Subframe=2,3.4,7.8,9)     10502   AAB   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD   7.72   ± 9.6 %   Subframe=2,3.4,7.8,9)     10503   AAE   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL   LTE-TDD   7.72   ± 9.6 %   Subframe=2,3.4,7.8,9)     10504   AE   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.31   ± 9.6 %   Subframe=2,3.4,7.8,9)     10505   AE   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   8.54   ± 9.6 %   Subframe=2,3.4,7.8,9)     10506   AE   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL   LTE-TDD   7.74   ± 9.6 %   Subframe=2,3.4,7.8,9)     10507   AAE   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL   LTE-TDD   8.36   ± 9.6 %   Subframe=2,3.4,7.8,9)     10508   AAE   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GP-QAM, UL   LTE-TDD   8.56   ± 9.6 %   Subframe=2,3.4,7.8,9)     10509   AAE   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GP-QAM, UL   LTE-TDD   8.55   ± 9.6 %   Subframe=2,3.4,7.8,9)     10510   AAE   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GP-QAM, UL   LTE-TDD   8.55   ± 9.6 %   Subframe=2,3.4,7.8,9)     10511   AAE   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL   LTE-TDD   8.49   ± 9.6 %   Subframe=2,3.4,7.8,9)     10512   AAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL   LTE-TDD   8.49   ± 9.6 %   Subframe=2,3.4,7.8,9)     10513   AAF   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL   LTE-TDD   8.49   ± 9.6 %   Subframe=2,3.4,7.8,9)     10514   AAF   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL   LTE-TDD   8.42   ± 9.6 %   Subframe=2,3.4,7.8,9)     10515   AAA   LEEE 802.11b WiFl 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)   WLAN   1.57   ± 9.6 %   Subframe=2,3.4,7.8,9)     10516   AAA   LEEE 802.11b WiFl 5.4 GHz (DSSS, 5 Mbps, 99pc duty cycle)   WLAN   1.57   ± 9.6 %   Subframe=2,3.4,7.8,9)     10517   AAA   LEEE 802.11b WiFl 5.4 GHz (DSSS, 5 Mbps, 99pc duty cycle)   WLAN   1.58   ± 9.6 %   Subframe=2,3.4,7.8,9)   Subframe=2,3.4,7.8,9)   Subframe=2,3.4,7.8,9   Subframe=2,3.4,7.8,9   Subframe	10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
10502	10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	± 9.6 %
10503	10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.52	± 9.6 %
10504	10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL	LTE-TDD	7.72	± 9.6 %
10505	10504		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD   S.36   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    LTE-TDD   SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL   LTE-TDD   S.55   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    LTE-TDD   SC-FDMA, 100% RB, 15 MHz, QPSK, UL   LTE-TDD   T.99   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    LTE-TDD   SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL   LTE-TDD   S.49   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    LTE-TDD   SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.51   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,	10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10507	10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
Subframe=2,3,4,7,8,9   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL		AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD   S.49   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD   S.51   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD   S.52   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD   S.53   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD   S.54   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD   S.55   Mbps, 99pc duty cycle    WLAN   1.58   ±9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD   S.45   ±9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    WLAN   1.58   ±9.6 %   Subframe=2,3,4,7,8,9    ULAN   1.58   ±9.6 %   Subframe=		AAE	Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)   WLAN		AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
Subframe=2,3,4,7,8,9		AAE	Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD   S.42			Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6%
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   LTE-TDD   S.45			Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
Subframe=2,3,4,7,8,9    1.0515		AAF	Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	± 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         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36		AAF	Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 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         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36			IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6 %
10517         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)         WLAN         1.58         ± 9.6 %           10518         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.21         ± 9.6			IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)		1.57	
10518         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %		<del>1</del>	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)		1.58	± 9.6 %
10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)			IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)		8.23	
10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)			IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN			IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)		-	
10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN						
10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %				WLAN	8.45	
10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %			IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN		
10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)         WLAN         8.42         ± 9.6 %           10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %			IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)			
10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)         WLAN         8.42         ± 9.6 %           10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %			IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)			
10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %			IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)		8.42	
10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %			IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)		8.21	
10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %					8.36	± 9.6 %
10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %					8.36	± 9.6 %
10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %			IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)			
10F04			IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)			
10004   AAD   IEEE 802.T1ac WIFI (40MHz, MCS0, 99pc duty cycle)   WLAN   8.45   ± 9.6 %						
	10034	AAB	LIEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	± 9.6 %

40505	1 4 4 5		1 1411 453	7 0 45	
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6 %
10537	AAB	IEEE 802.11ac WIFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±96%
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6%
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6%
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6%
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6%
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
	' ' ' '	cycle)			
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	WLAN	8.13	± 9.6 %
40507	1 A A A	cycle)	10/1 A N I	- 0.00	1000
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
40500		cycle)	1071 0.01	0.07	1000
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	±9.6 %
40500		cycle)	WLAN	8.10	+0.6.9/
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAIN	0.10	± 9.6 %
40E70	^ ^	cycle)	MI ANI	1 0 00	+06%
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
40574	1	cycle)	100 001	4.00	1000
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6%
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6%
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
10576	1 ^ ^ ^	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	9 60	+0.6%
10076	AAA	, , , , , ,	VVLAIN	8.60	± 9.6 %
10577	AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	970	± 9.6 %
100//	AAA		MATWIA	8.70	± 9.0 %
10570	000	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	VALL AND	0.40	± 9.6 %
10578	AAA		WLAN	8.49	T 9.0 %
40570	A A A	cycle)	JAM ANI	0.00	1069/
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	±9.6 %
40500	1	cycle)	30/1 0 0 1	0.70	10.60/
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
40504		cycle)	14/1 431		1069
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
10500	1	cycle)	14/1 4 5 1		
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
40500		cycle)	18/1 811		1.000
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %

10500	T :				
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN		
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)		8.82	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10610		TEEE 002.1 fac Wiri (20MHz, NICS2, 90pc duty cycle)	WLAN	8.57	±9.6%
10610	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
		IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6%
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6%
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9,6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6%
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN		± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)		8.81	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10640	AAC	TEEE 802.11ac WIFT (TOUWITZ, WCS3, SUPC OUTY CYCIE)	WLAN	8.85	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641		IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9,6 %
	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9,6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6%
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6%
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6%
10653	AAD	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%)	LITE TOD	7.04	1000
10658	AAA	Pulse Waveform (200Hz, 10%)	LTE-TDD	7.21	±9.6 %
10659	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10660	AAA		Test	6.99	±9.6 %
10661	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6 %
10662	AAA	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%)	Test	2.22	±9.6 %
10670	AAA	<u> </u>	Test	0.97	±9.6 %
		Bluetooth Low Energy	Bluetooth	2.19	±9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)			
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.55	±9.6 %
10691	AAA		WLAN	8.29	±9.6%
10691	<del>}</del>	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6 %
	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6%
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)			
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10712	AAA		WLAN	8.67	± 9.6 %
10713		IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	± 9.6 %
	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6%
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %
		,, -, -, -, -, -, -, -, -, -, -, -, -, -,			5.5 76

10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (60MHz, MCS1, 99pc duty cycle)	WLAN	8,46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 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

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Accreditation No.: SCS 0108

Client

**PC Test** 

Certificate No: EX3-7406\_May19

## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7406

Calibration procedure(s)

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

Calibration procedure for dosimetric E-field probes

Calibration date:

May 16, 2019

BN 23-2010

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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check; Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Calibrated by:

Name

Function

Michael Weber

Laboratory Technician

Signature

Approved by:

Katja Pokovic

Technical Manager

Issued: May 16, 2019

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

#### Calibration Laboratory of

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





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Glossary:

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

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

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

Polarization φ

φ rotation around probe axis

Polarization 8

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) 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
- Techniques", June 2013
  b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld 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"

#### 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).

**Basic Calibration Parameters** 

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m)²) <sup>A</sup>	0.46	0.43	0.45	± 10.1 %
DCP (mV) <sup>B</sup>	102.8	102.2	100.4	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	182.0	± 2.7 %	± 4.7 %
		Υ	0.00	0.00	1.00		172.4	1	
****		Z	0.00	0.00	1.00	1	174.6	[	
10352-	Pulse Waveform (200Hz, 10%)	Х	6.76	76.02	14.93	10.00	60.0	± 2.7 %	± 9.6 %
AAA		Y	6.25	75.48	14.76		60.0	1 /-	- 313 /6
		Z	15.00	84.32	17.62	1	60.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	85.05	16.36	6.99	80.0	± 1.9 %	± 9.6 %
AAA		Υ	15.00	85.57	16.70		80.0	, , ,	
		Z	15.00	85.96	16.90	1	80.0	1	
10354-	Pulse Waveform (200Hz, 40%)	Х	15.00	83.48	13.87	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Y	15.00	88.48	16.53	1	95.0		, ,
		Z	15.00	85.80	15.05	1	95.0	1	
10355-	Pulse Waveform (200Hz, 60%)	Х	0.28	60.00	4.49	2.22	120.0	± 1.3 %	± 9.6 %
AAA		Υ	15.00	95.23	18.20		120.0		
		Z	0.39	62.12	5.82		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.46	60.00	5.77	0.00	150.0	± 3.7 %	± 9.6 %
AAA		Υ	14.25	443.18	61.66		150.0		
		Z	0.48	60.00	6.06		150.0		
10388-	QPSK Waveform, 10 MHz	Х	2.03	67.70	15.44	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Υ	2.30	72.35	18.27		150.0		
		Z	2.07	67.89	15.68		150.0	:	
10396-	64-QAM Waveform, 100 kHz	X	2.49	68.06	17.57	3.01	150.0	± 1.6 %	± 9.6 %
AAA		Y	1.98	66.67	17.49		150.0		
		Z	2.52	68,32	17.86		150.0		
10399-	64-QAM Waveform, 40 MHz	Х	3.39	67.06	15.71	0.00	150.0	± 2.2 %	± 9.6 %
AAA		Υ	3.39	68.23	16.67		150.0		
45.4		Z	3.40	67.01	15.79		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.70	65.74	15.61	0.00	150.0	± 4.1 %	± 9.6 %
AAA		Y	4.47	66.54	16.20		150.0		
	details on LUD parameters and Am	Z	4.70	65.63	15.63		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.

#### **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	34.8	265.14	36.82	6.17	0.37	5.06	0.00	0.44	1.01
Y	19.8	147.90	35.69	7.11	0.37	5.03	0.00	0.19	1.00
Z	35.4	271.85	37.42	5.60	0.38	5.06	0.15	0.41	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	27.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

#### 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)
30	55.0	0.75	16.10	16.10	16.10	0.00	1.00	± 13.3 %
750	41.9	0.89	10.26	10.26	10.26	0.44	0.93	± 12.0 %
835	41.5	0.90	9.78	9.78	9.78	0.44	0.91	± 12.0 %
1750	40.1	1.37	8.57	8.57	8.57	0.39	0.80	± 12.0 %
1900	40.0	1.40	8.18	8.18	8.18	0.39	0.80	± 12.0 %
2300	39.5	1.67	8.06	8.06	8.06	0.33	0.87	± 12.0 %
2450	39.2	1.80	7.67	7.67	7.67	0.37	0.87	± 12.0 %
2600	39.0	1.96	7.44	7.44	7.44	0.40	0.88	± 12.0 %
5250	35.9	4.71	5.54	5.54	5.54	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.94	4.94	4.94	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.23	5.23	5.23	0.40	1.80	± 13.1 %

<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  $\pm$  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.

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.

## Calibration Parameter Determined in Body Tissue Simulating Media

			, ,		alacing m	<b>-</b>		
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	55.5	0.96	10.05	10.05	10.05	0.50	0.80	± 12.0 %
835	55.2	0.97	9.78	9.78	9.78	0.40	0.93	± 12.0 %
1750	53.4	1.49	8.13	8.13	8.13	0.43	0.80	± 12.0 %
1900	53.3	1.52	7.95	7.95	7.95	0.38	0.85	± 12.0 %
2300	52.9	1.81	7.76	7.76	7.76	0.44	0.85	± 12.0 %
2450	52.7	1.95	7.54	7.54	7.54	0.37	0.88	± 12.0 %
2600	52.5	2.16	7.47	7.47	7.47	0.25	1.05	± 12.0 %
5250	48.9	5.36	5.08	5.08	5.08	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.37	4.37	4.37	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.53	4.53	4.53	0.50	1.90	± 13.1 %

<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 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 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

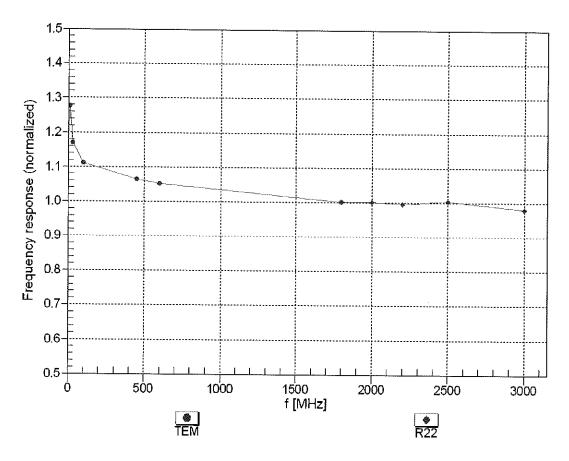
the ConvF uncertainty for indicated target tissue parameters.

A requestion of the convF uncertainty for indicated target tissue parameters.

A lipha/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)

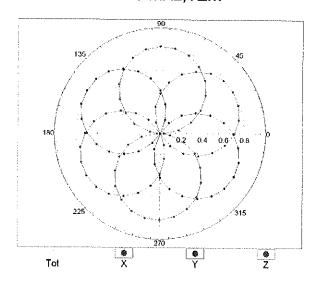


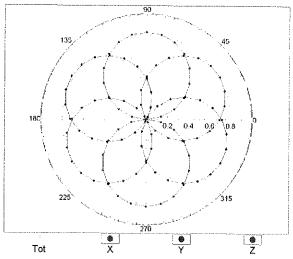
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

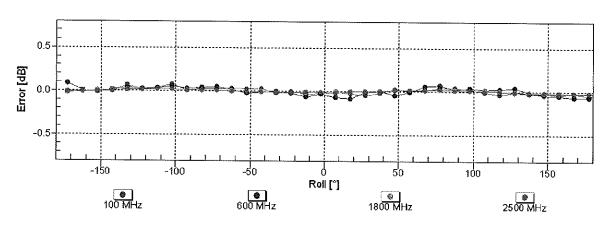
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

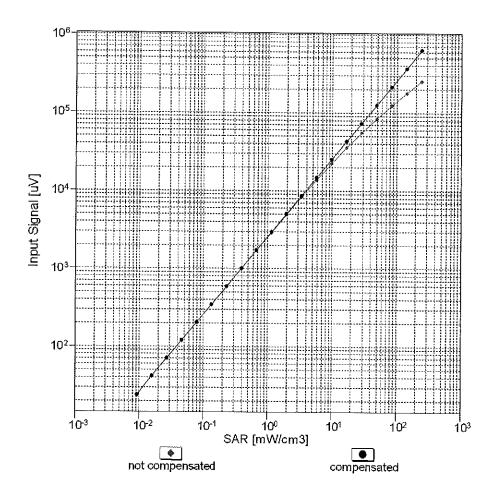


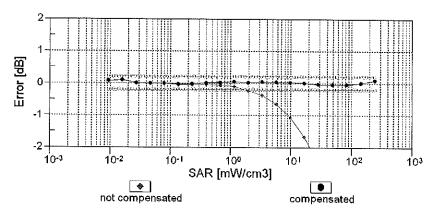




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

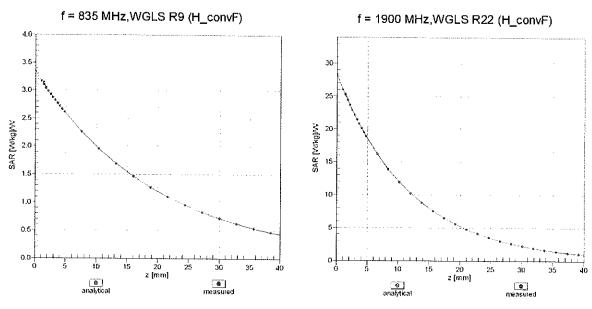
# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)



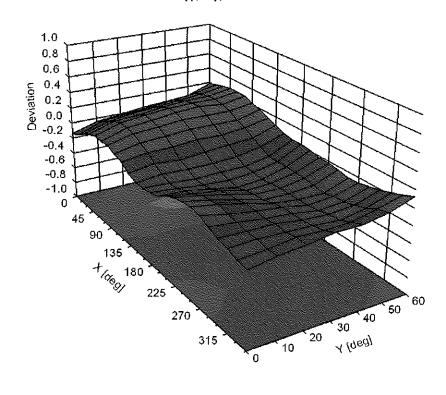


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

## **Conversion Factor Assessment**



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



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## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>t</sup> (k=2)
0	*********	CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	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 Bluetooth	1.87	± 9.6 % ± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16 7.74	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	4.53	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10035 10036	CAA CAA	IEEE 802.15.1 Bluetooth (P/4-DQPSK, DH5)	Bluetooth	8.01	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	4.77	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10033	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10042	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	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	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 WLAN	9.62 9.94	± 9.6 % ± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10074 10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10076	CAB	IEEE 802.11g WiF1 2.4 GHz (DSSS/OFDM, 46 Mibps)	WLAN	11.00	± 9.6 %
10077	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
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	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	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	
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 % ± 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	
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD		± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)		10.05	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.75	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	6.43	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	5.79	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.49	±9.6%
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	5.82	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.43	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.58	±9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QFSK)  LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.46	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 30% RB, 1.4 MHz, 64-QAM)  LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.79	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QFSK)  LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	5.73	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10172	CAG	LTE TOD (SC FOMA 1 DD 20 MHz, OPOK)	LTE-FDD	6.49	± 9.6 %
10173	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 %
10175	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10177	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10179	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%
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186 10187	AAE CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10188	CAF	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 %
10193	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
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40000	040	IEEE 800 44 n (UT Mixed 42 2 Mbno 46 OAM)	WLAN	8.13	± 9.6 %
10220 10221	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10221	CAC	IEEE 802.111 (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.06	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 30 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAC	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	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	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-TOD	9.21	±9.6%
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD LTE-TDD	9.82 9.86	± 9.6 % ± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QFSK)  LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10244 10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50 % RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10246	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAF	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	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	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92 10.07	± 9.6 %
10266 10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSR)  LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 10-QAM)	LTE-TDD	10.00	± 9.6 %
10269	CAF	LTE-TDD (SC-PDMA, 100 % RB, 15 MHz, 04-QAM)	LTE-TOD	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 %
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	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

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10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
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, 3 CTRL	WiMAX	12.57	± 9.6 %
10303	AAA	symbols)			
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WiMAX	11.86	±9.6 %
10000	1	symbols)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	10000000	ļ.,,,,,	
	1,00,	symbols)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WIMAX	44.40	1.0004
		symbols)	VVIIVIAA	14.49	± 9.6 %
10308	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, 18	WIMAX	14.58	± 9.6 %
		symbols)	171111111111111111111111111111111111111	14.50	1.5.0 76
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	± 9.6 %
		symbols)		1 11.01	2 0.0 /0
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 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	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352 10353	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354 10355	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10336	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10396	AAA	QPSK Waveform, 10 MHz 64-QAM Waveform, 100 kHz	Generic	5.22	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	Generic	6.27	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6%
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	WLAN	8.53	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.76	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000 CDMA2000	3.77	±9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	5.22 7.82	±9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)	C. C. LOD	1.02	±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 duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	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,	WLAN	8.14	± 9.6 %
		Long preambule)		0.11	_ 0.0 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	±9.6%
10100		Short preambule)			, .
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6%
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6%
10425 10426	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB AAD	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	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6%
10433	AAC	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	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	LTE-FDD	8.34	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	WCDMA	8.60	± 9.6 %
		Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.50	1060/
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53 7.51	±9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 % ± 9.6 %
		, , , , , , , , , , , , , , , , , , ,		7.70	± 0.0 /0

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	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	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6%
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	± 9.6 %
40400		Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10463	AAA	Subframe=2,3,4,7,8,9)			
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10466	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
40407		Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LIE-IDD	7.02	19.0 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10471	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10472	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	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	AAF	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	AAF	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	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10480	AAA	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
40404	A 8 4	Subframe=2,3,4,7,8,9)	I when the line	0.45	1000
10481	AAA	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	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
10484	AAB	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
10485	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	± 9.6 %
		Subframe=2.3.4.7.8.9)			
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
10490	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
		Subframe=2,3,4,7,8,9)		<u> </u>	
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	± 9.6 %
10496	AAF	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	AAA	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	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	± 9.6 %
10504	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	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	AAF	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, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN		
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)		8.39	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10527	AAB	IFFE 802 11a/h WiFi 5 CHz (OFDM 20 MF)	WLAN	7.97	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10523		IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6%
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN		± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.38	± 9.6 %
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10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6%
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8,44	±9.6%
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6%
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6%
10544	AAB	IEEE 802.11ac WiF (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6%
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
		IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10548	AAB		WLAN	8.38	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)			
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6%
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6%
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
		cycle)			
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
		cycle)	,		
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
		cycle)			
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
	<u> </u>	cycle)			
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
		cycle)			
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
		cycle)			
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
		cycle)			
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
,03,0	' " " '	cycle)			
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
10070	''''	cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
10011	' ' ' '	cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
10070	/ / / /	cycle)			
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
10373	///	cycle)	,		
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
10000	1,757	cycle)	1.0.11	55	
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
10001	1~~~	cycle)	""	0.00	
10592	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
10582	^^^	1	1104	5.01	= 0.0 /0
10502	A A E	cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10583	AAB		WLAN	8.60	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)			
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6%
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %

40500	1 4 4 5				
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6%
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN		± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)		8.64	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCSs, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10614	AAB	IEEE 202 11ac WIFI (20MI) MCS0, 90pc duty cycle)	WLAN	8.94	±9.6%
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6 %
10616	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10618		IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10620	AAB	IEEE 802.11ac WIFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6%
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN		±9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	9.11	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)		11.96	± 9.6 %
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	CDMA2000	3.45	± 9.6 %
10653	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
			LTE-TDD	6.96	± 9.6 %

10686	10055	A A E	LITE TOD (CEDMA COMING E THICK OFFICE (197)	Ture too	7.04	
10699	10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10680						
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10675						
10676		AAA				
10677	10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10677	10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10679	10677	AAA			8.73	± 9.6 %
10680	10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
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10689   AAA   IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)		<b></b>			<u> </u>	
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10691   AAA   IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)					***************************************	
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10699				WLAN		
10701   AAA   IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)				WLAN	8.82	
10702	10700	AAA		WLAN	8.73	± 9.6 %
10703	10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10704   AAA   IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	10702	AAA		WLAN	8.70	
10705         AAA         IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)         WLAN         8.69         ± 9.6 %           10706         AAA         IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)         WLAN         8.66         ± 9.6 %           10707         AAA         IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)         WLAN         8.32         ± 9.6 %           10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty						
10706         AAA         IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)         WLAN         8.66         ± 9.6 %           10707         AAA         IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)         WLAN         8.32         ± 9.6 %           10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 90pc duty						+
10707         AAA         IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)         WLAN         8.32         ± 9.6 %           10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.34         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty						
10708         AAA         IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)         WLAN         8.55         ± 9.6 %           10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10718         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty						
10709         AAA         IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)         WLAN         8.24         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc dut		<del></del>			<u> </u>	
10710         AAA         IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10711         AAA         IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10712         AAA         IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)         WLAN         8.67         ± 9.6 %           10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.24         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty						
10711       AAA       IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10712       AAA       IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)       WLAN       8.67       ± 9.6 %         10713       AAA       IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)       WLAN       8.33       ± 9.6 %         10714       AAA       IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)       WLAN       8.26       ± 9.6 %         10715       AAA       IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10716       AAA       IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)       WLAN       8.30       ± 9.6 %         10717       AAA       IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)       WLAN       8.48       ± 9.6 %         10718       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.24       ± 9.6 %         10719       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.75       ± 9.6 %         10724						
10712       AAA       IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)       WLAN       8.67       ± 9.6 %         10713       AAA       IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)       WLAN       8.33       ± 9.6 %         10714       AAA       IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)       WLAN       8.26       ± 9.6 %         10715       AAA       IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10716       AAA       IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)       WLAN       8.30       ± 9.6 %         10717       AAA       IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)       WLAN       8.48       ± 9.6 %         10718       AAA       IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)       WLAN       8.24       ± 9.6 %         10719       AAA       IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10720       AAA       IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)       WLAN       8.87       ± 9.6 %         10721       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724						
10713         AAA         IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)         WLAN         8.33         ± 9.6 %           10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty		<del></del>				
10714         AAA         IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)         WLAN         8.26         ± 9.6 %           10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty						
10715         AAA         IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty						
10716         AAA         IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)         WLAN         8.30         ± 9.6 %           10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)         WLAN         8.72         ± 9.6 %					<del></del>	
10717         AAA         IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)         WLAN         8.48         ± 9.6 %           10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)         WLAN         8.72         ± 9.6 %						
10718         AAA         IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)         WLAN         8.24         ± 9.6 %           10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)         WLAN         8.72         ± 9.6 %						
10719         AAA         IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)         WLAN         8.72         ± 9.6 %						
10720         AAA         IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)         WLAN         8.87         ± 9.6 %           10721         AAA         IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)         WLAN         8.76         ± 9.6 %           10722         AAA         IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)         WLAN         8.55         ± 9.6 %           10723         AAA         IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)         WLAN         8.70         ± 9.6 %           10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)         WLAN         8.72         ± 9.6 %					+	
10721       AAA       IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)       WLAN       8.76       ± 9.6 %         10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %         10726       AAA       IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)       WLAN       8.72       ± 9.6 %						
10722       AAA       IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)       WLAN       8.55       ± 9.6 %         10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %         10726       AAA       IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)       WLAN       8.72       ± 9.6 %						
10723       AAA       IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)       WLAN       8.70       ± 9.6 %         10724       AAA       IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10725       AAA       IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)       WLAN       8.74       ± 9.6 %         10726       AAA       IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)       WLAN       8.72       ± 9.6 %						
10724         AAA         IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)         WLAN         8.72         ± 9.6 %						
10725         AAA         IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)         WLAN         8.74         ± 9.6 %           10726         AAA         IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)         WLAN         8.72         ± 9.6 %				WLAN	+	
10726 AAA IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle) WLAN 8.72 ± 9.6 %	10725				8.74	
10727   AAA   IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)   WLAN   8.66   ± 9.6 %						
	10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %

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10728	40700	1 ^ ^ ^	JEEE 000 44 (00ML) MOOD 00			
10730	10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10731   AAA   IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)			IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)			
10732			IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)		<del>-)</del>	
10733			IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)		8.42	
10734					8.46	± 9.6 %
10735				WLAN	8.40	± 9.6 %
10736				WLAN	8.25	± 9.6 %
10737				WLAN	8.33	± 9.6 %
10738		<del>1</del>	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10739			IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10739				WLAN	8.42	± 9.6 %
10740				WLAN		
10741   AAA   IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)   WLAN   8.40   ± 9.6 %   10742   AAA   IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)   WLAN   8.43   ± 9.6 %   10743   AAA   IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10744   AAA   IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)   WLAN   9.16   ± 9.6 %   10745   AAA   IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)   WLAN   8.93   ± 9.6 %   10746   AAA   IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)   WLAN   8.93   ± 9.6 %   10747   AAA   IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)   WLAN   9.11   ± 9.6 %   10748   AAA   IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)   WLAN   9.04   ± 9.6 %   10749   AAA   IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)   WLAN   8.93   ± 9.6 %   10750   AAA   IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)   WLAN   8.90   ± 9.6 %   10751   AAA   IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)   WLAN   8.79   ± 9.6 %   10752   AAA   IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)   WLAN   8.82   ± 9.6 %   10753   AAA   IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10753   AAA   IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10755   AAA   IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)   WLAN   8.81   ± 9.6 %   10755   AAA   IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10756   AAA   IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)   WLAN   8.94   ± 9.6 %   10757   AAA   IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)   WLAN   8.77   ± 9.6 %   10758   AAA   IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)   WLAN   8.77   ± 9.6 %   10758   AAA   IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)   WLAN   8.77   ± 9.6 %   10760   AAA   IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)   WLAN   8.58   ± 9.6 %   10761   AAA   IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)   WLAN   8.58   ± 9.6 %   10760   AAA   IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)   WLAN   8.58   ± 9.6 %   10760   AAA   IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)   WLAN		-		WLAN	8.48	
10742				WLAN	8.40	
10743				WLAN	8.43	
10744			IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	
10745			IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	
10746			IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	
10747         AAA         IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)         WLAN         9.04         ± 9.6 %           10748         AAA         IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)         WLAN         8.93         ± 9.6 %           10749         AAA         IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)         WLAN         8.82         ± 9.6 %           10752         AAA         IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         9.00         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS4			IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	
10748         AAA         IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)         WLAN         8.93         ± 9.6 %           10749         AAA         IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)         WLAN         8.90         ± 9.6 %           10750         AAA         IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)         WLAN         8.82         ± 9.6 %           10752         AAA         IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         9.00         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS4			IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	
10749       AAA       IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)       WLAN       8.90       ± 9.6 %         10750       AAA       IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)       WLAN       8.79       ± 9.6 %         10751       AAA       IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)       WLAN       8.82       ± 9.6 %         10752       AAA       IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10753       AAA       IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)       WLAN       9.00       ± 9.6 %         10754       AAA       IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)       WLAN       8.94       ± 9.6 %         10755       AAA       IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)       WLAN       8.64       ± 9.6 %         10756       AAA       IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10757       AAA       IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10758       AAA       IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10760       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.58       ± 9.6 %				WLAN	8.93	
10750         AAA         IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)         WLAN         8.79         ± 9.6 %           10751         AAA         IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)         WLAN         8.82         ± 9.6 %           10752         AAA         IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         9.00         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10759         AAA         IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS6			IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN		
10751       AAA       IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)       WLAN       8.82       ± 9.6 %         10752       AAA       IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)       WLAN       8.81       ± 9.6 %         10753       AAA       IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)       WLAN       9.00       ± 9.6 %         10754       AAA       IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)       WLAN       8.94       ± 9.6 %         10755       AAA       IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)       WLAN       8.64       ± 9.6 %         10756       AAA       IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10757       AAA       IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10758       AAA       IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)       WLAN       8.69       ± 9.6 %         10759       AAA       IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10760       AAA       IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10761       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.54       ± 9.6 %			IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	
10752         AAA         IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)         WLAN         8.81         ± 9.6 %           10753         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         9.00         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10759         AAA         IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS9				WLAN	8.82	
10753         AAA         IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)         WLAN         9.00         ± 9.6 %           10754         AAA         IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)         WLAN         8.94         ± 9.6 %           10755         AAA         IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)         WLAN         8.64         ± 9.6 %           10756         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10759         AAA         IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS1			IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)			
10754       AAA       IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)       WLAN       8.94       ± 9.6 %         10755       AAA       IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)       WLAN       8.64       ± 9.6 %         10756       AAA       IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10757       AAA       IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10758       AAA       IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)       WLAN       8.69       ± 9.6 %         10759       AAA       IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10760       AAA       IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10761       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10762       AAA       IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10763       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN		
10755       AAA       IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)       WLAN       8.64       ± 9.6 %         10756       AAA       IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10757       AAA       IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10758       AAA       IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)       WLAN       8.69       ± 9.6 %         10759       AAA       IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10760       AAA       IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10761       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10762       AAA       IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10763       AAA       IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10764       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %			IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)			
10756         AAA         IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10757         AAA         IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)         WLAN         8.77         ± 9.6 %           10758         AAA         IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)         WLAN         8.69         ± 9.6 %           10759         AAA         IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10760         AAA         IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10761         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10765         AAA         IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)         WLAN         8.54         ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)		8,64	
10757       AAA       IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)       WLAN       8.77       ± 9.6 %         10758       AAA       IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)       WLAN       8.69       ± 9.6 %         10759       AAA       IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10760       AAA       IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10761       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10762       AAA       IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10763       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10764       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %			IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN		
10758       AAA       IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)       WLAN       8.69       ± 9.6 %         10759       AAA       IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10760       AAA       IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10761       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10762       AAA       IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10763       AAA       IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10764       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	<del></del>	± 9.6 %
10759       AAA       IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10760       AAA       IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10761       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10762       AAA       IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10763       AAA       IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10764       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %			IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN		
10760       AAA       IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10761       AAA       IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)       WLAN       8.58       ± 9.6 %         10762       AAA       IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10763       AAA       IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10764       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN		
10761         AAA         IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)         WLAN         8.58         ± 9.6 %           10762         AAA         IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)         WLAN         8.49         ± 9.6 %           10763         AAA         IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)         WLAN         8.53         ± 9.6 %           10764         AAA         IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)         WLAN         8.54         ± 9.6 %           10765         AAA         IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)         WLAN         8.54         ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)			
10762       AAA       IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)       WLAN       8.49       ± 9.6 %         10763       AAA       IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10764       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	***************************************		
10763       AAA       IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)       WLAN       8.53       ± 9.6 %         10764       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %			IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)			
10764       AAA       IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)       WLAN       8.54       ± 9.6 %         10765       AAA       IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)       WLAN       8.54       ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)			
10765 AAA IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle) WLAN 8.54 ± 9.6 %		AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)			
40700 444 400444 400444			IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)			
	10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)			

May 16, 2019

<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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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

**PC Test** 

Certificate No: EX3-7409\_Jun19

#### CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7409

Calibration procedure(s)

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

Calibration procedure for dosimetric E-field probes

BNV 19

Calibration date:

June 19, 2019

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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check; Oct-19

Name Function Signature

Leif Klysner Laboratory Technician

Approved by: Katja Pokovic Technical Manager

Issued: June 20, 2019

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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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Glossary:

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

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

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

Polarization φ

φ rotation around probe axis

Polarization 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) 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"

#### 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 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).

June 19, 2019 EX3DV4 - SN:7409

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7409

**Basic Calibration Parameters** 

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.38	0.33	0.38	± 10.1 %
DCP (mV) <sup>B</sup>	95.8	101.8	100.3	

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	135.5	± 3.5 %	± 4.7 %
		Y	0.00	0.00	1.00		129.2		
		Z.	0.00	0.00	1.00		130.6		
10352-	Pulse Waveform (200Hz, 10%)	X	1.32	60.00	6.76	10.00	60.0	± 2.3 %	± 9.6 %
AAA	, , , ,	Y	2.29	64.91	9.64		60.0		
		Z	1,81	63.07	9.49		60.0		
10353-	Pulse Waveform (200Hz, 20%)	Х	0.80	60.00	5.37	6.99	80.0	± 1.9 %	± 9.6 %
AAA		Y	1.45	64.56	8.47		80.0		
		Z	1.57	65.00	8.98		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.42	60.00	3.77	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Υ	0.88	64.90	7.60		95.0		
		Z	0.42	60.00	5.26		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.16	179.15	25.80	2.22	120.0	± 1.4 %	± 9.6 %
AAA		Y	15.00	80.71	11.05		120.0		
		Z	0.26	60.00	3.66		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.00	60.00	1.00	0.00	150.0	± 3.7 %	± 9.6 %
AAA		Υ	0.42	60.00	5.25		150.0	]	
		Z	0.44	60.00	5.03		150.0		
10388-	QPSK Waveform, 10 MHz	X	1.68	67.97	15.54	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Υ	2.15	69.30	16.63		150.0		
		Z	1.92	66.86	15.11		150.0		
10396-	64-QAM Waveform, 100 kHz	X	1.88	65.71	16.62	3.01	150.0	± 3.3 %	± 9.6 %
AAA		Υ	2.51	70.30	18.83		150.0	]	
		Z	1.94	66.57	18.18		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.08	66.90	15.71	0.00	150.0	± 2.7 %	± 9.6 %
AAA		Υ	3.43	67.58	16.15	]	150.0		
		Z	3.31	66.58	15.55		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.19	66.11	15.73	0.00	150.0	± 4.7 %	± 9.6 %
AAA		Υ	4.64	66.08	15.84	]	150.0	]	-
		Z	4.60	65.42	15.52		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.

June 19, 2019

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7409

**Sensor Model Parameters** 

	C1 fF	C2 fF	α V⁻¹	T1 ms.V~2	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>1</sup>	Т6
X	15.1	114.89	36.52	2.59	0.12	4.98	0.18	0.16	1.00
Y	27.6	203.75	34.9 <b>4</b>	3.93	0.05	4.99	1.59	0.00	1.00
Z	31.2	243.42	38.43	3.81	0.30	5.03	0.00	0.11	1.02

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	40.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

June 19, 2019

## DASY/EASY - 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 (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	41.9	0.89	9.96	9.96	9.96	0.50	0.81	± 12.0 %
835	41.5	0.90	9.70	9.70	9.70	0.40	0.94	± 12.0 %
1750	40.1	1.37	8.32	8.32	8.32	0.37	0.85	± 12.0 %
1900	40.0	1.40	8.01	8.01	8.01	0.35	0.85	± 12.0 %
2300	39.5	1.67	7.55	7.55	7.55	0.32	0.90	± 12.0 %
2450	39.2	1.80	7.30	7.30	7.30	0.39	0.90	± 12.0 %
2600	39.0	1.96	7.12	7.12	7.12	0.36	0.90	± 12.0 %
5250	35.9	4.71	5.20	5.20	5.20	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.80	4.80	4.80	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.78	4.78	4.78	0.40	1.80	± 13.1 %

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

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 values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConyF uncertainty for indicated target tissue parameters.

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:7409

#### 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	9.96	9.96	9.96	0.48	0.80	± 12.0 %
835	55.2	0.97	9.74	9.74	9.74	0.52	0.81	± 12.0 %
1750	53.4	1.49	7.85	7.85	7.85	0.35	0.85	± 12.0 %
1900	53.3	1.52	7.67	7.67	7.67	0.43	0.85	± 12.0 %
2300	52.9	1.81	7.41	7.41	7.41	0.39	0.90	± 12.0 %
2450	52.7	1.95	7.18	7.18	7.18	0.37	0.90	± 12.0 %
2600	52.5	2.16	7.18	7.18	7.18	0.38	0.90	± 12.0 %
5250	48.9	5.36	4.70	4.70	4.70	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.22	4.22	4.22	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.23	4.23	4.23	0.50	1.90	± 13.1 %

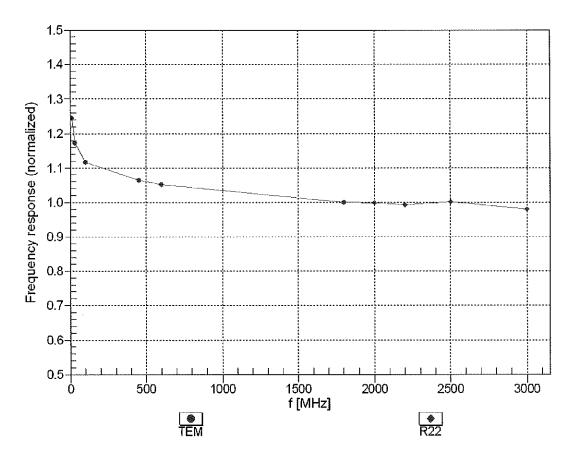
<sup>&</sup>lt;sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency 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 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 ConvE uncertainty for indicated to rest figure parameters.

the ConvF uncertainty for indicated target tissue parameters.

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)



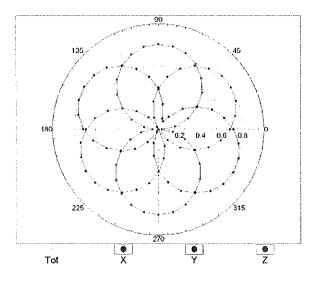
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

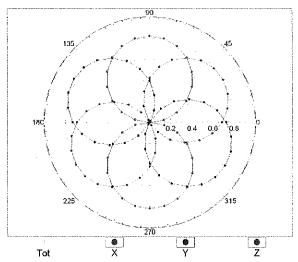
EX3DV4-SN:7409

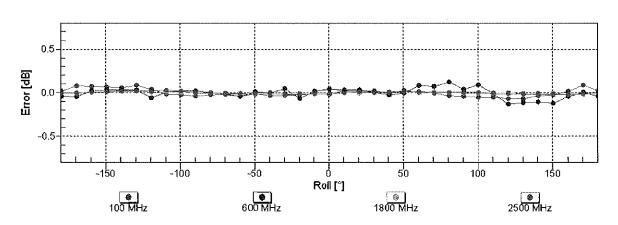
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22



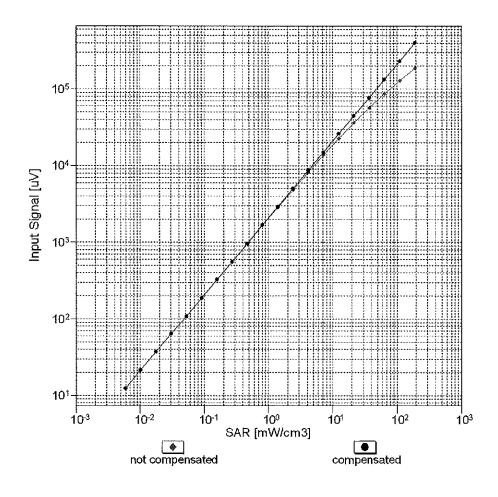


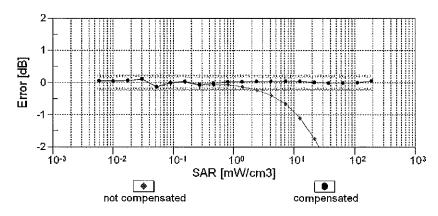


Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

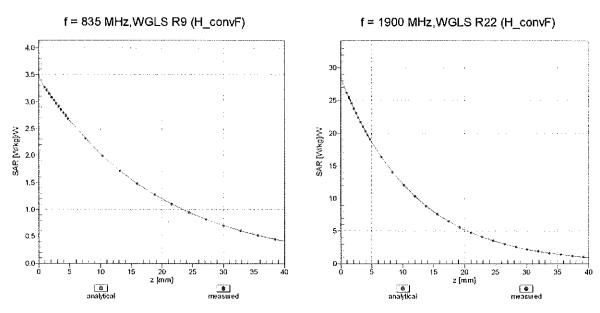
(TEM cell , f<sub>eval</sub>= 1900 MHz)



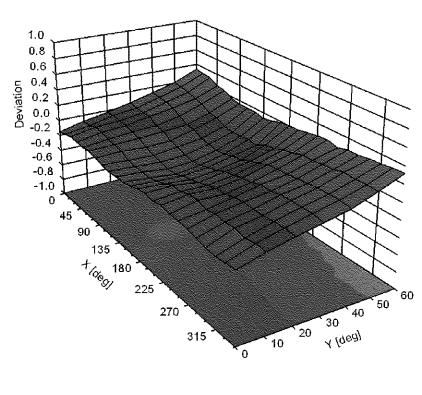


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

### **Conversion Factor Assessment**



## Deviation from Isotropy in Liquid Error $(\phi, \vartheta)$ , f = 900 MHz



## **Appendix: Modulation Calibration Parameters**

O	JID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> (k=2)
10010	)		CW	CW	0.00	± 4.7 %
10011   CAB   IEEE 802.116 WIFI 2.4 GHz (DSSS, 1 Mbps)   WLAN   1.8:		CAA			10.00	± 9.6 %
10012   CAB   IEEE 802.115 WiFl 2.4 GHz (DSSS. 1 Mbps)						± 9.6 %
10013   CAB   IEEE 802.115   WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)   WILAN   9.4					1.87	± 9.6 %
10021         DAC         GSM-FDD (TDMA, GMSK, TN 0)         GSM         9.5           10024         DAC         GPRS-FDD (TDMA, GMSK, TN 0)         GSM         6.56           10025         DAC         GPRS-FDD (TDMA, GMSK, TN 0-1)         GSM         6.56           10026         DAC         EDGE-FDD (TDMA, SPSK, TN 0-1)         GSM         9.5           10027         DAC         EDGE-FDD (TDMA, GMSK, TN 0-12)         GSM         4.8           10028         DAC         GPRS-FDD (TDMA, GMSK, TN 0-12)         GSM         4.8           10029         DAC         GPRS-FDD (TDMA, GMSK, TN 0-12)         GSM         3.5           10029         DAC         GPRS-FDD (TDMA, GMSK, TN 0-12)         GSM         7.7           10030         CAA         IEEE 802.15.1 Bluetooth (GFSK, DH1)         Bluetooth         5.3           10031         CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         Bluetooth         1.8           10032         CAA         IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)         Bluetooth         1.7           10034         CAA         IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)         Bluetooth         3.8           10035         CAA         IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)         Bluetooth         3.6					9.46	± 9.6 %
10023   DAC   GPRS-FDD (TDMA, GMSK, TN 0)   GSM   9.55					9.39	± 9.6 %
10024   DAC   GPRS-FDD (TDMA, GMSK, TN 0-1)   GSM   6.55					9.57	± 9.6 %
10025   DAC   EDGE-FDD (TDMA, 8PSK, TN 0-1)   GSM   12.6					6.56	±9.6%
10026   DAC   EDGE-FDD (TDMA, BPSK, TN 0-1)   GSM   9.51     10027   DAC   GPRS-FDD (TDMA, GMSK, TN 0-1-2)   GSM   4.86     10028   DAC   GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)   GSM   3.55     10029   DAC   EDGE-FDD (TDMA, BPSK, TN 0-1-2-3)   GSM   3.55     10030   CAA   IEEE 802.15.1 Bluelooth (GFSK, DH1)   Bluelooth   5.3     10031   CAA   IEEE 802.15.1 Bluelooth (GFSK, DH3)   Bluelooth   1.81     10032   CAA   IEEE 802.15.1 Bluelooth (GFSK, DH3)   Bluelooth   1.81     10033   CAA   IEEE 802.15.1 Bluelooth (FPIK-DQPSK, DH3)   Bluelooth   1.71     10034   CAA   IEEE 802.15.1 Bluelooth (PIV4-DQPSK, DH3)   Bluelooth   7.77     10035   CAA   IEEE 802.15.1 Bluelooth (PIV4-DQPSK, DH3)   Bluelooth   7.74     10036   CAA   IEEE 802.15.1 Bluelooth (PIV4-DQPSK, DH3)   Bluelooth   4.51     10037   CAA   IEEE 802.15.1 Bluelooth (B-DPSK, DH3)   Bluelooth   8.0     10038   CAA   IEEE 802.15.1 Bluelooth (B-DPSK, DH3)   Bluelooth   8.0     10039   CAB   CA	10025	DAC			12.62	± 9.6 %
10027   DAC   GPRS-FDD (TDMA, GMSK, TN 0-1-2)   GSM   4.8t     10028   DAC   GPRS-FDD (TDMA, GMSK, TN 0-1-2)   GSM   3.5t     10029   DAC   EDGE-FDD (TDMA, GMSK, TN 0-1-2)   GSM   7.7t     10030   CAA   IEEE 802.15.1 Bluetooth (GFSK, DH1)   Bluetooth   5.3t     10031   CAA   IEEE 802.15.1 Bluetooth (GFSK, DH3)   Bluetooth   1.8t     10032   CAA   IEEE 802.15.1 Bluetooth (GFSK, DH3)   Bluetooth   1.8t     10033   CAA   IEEE 802.15.1 Bluetooth (GFSK, DH3)   Bluetooth   1.7t     10034   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)   Bluetooth   7.7t     10034   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)   Bluetooth   4.5t     10035   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)   Bluetooth   4.5t     10036   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)   Bluetooth   8.0t     10037   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   8.0t     10038   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   8.0t     10039   CAB   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   4.7t     10038   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   4.7t     10039   CAB   CDMA2000 (1xRT1, RC1)   CDMA2000   4.7t     100404   CAA   IS-916IA/T18-535   FDD (FDMA, FM)   AMPS   0.0t     10044   CAA   IS-916IA/T18-535   FDD (FDMA, FM)   AMPS   0.0t     10048   CAA   DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)   DECT   13.8t     10049   CAA   DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)   DECT   13.8t     10056   CAA   UMTS-TDD (TD-SCDMA, 1.28 Mcps)   TD-SCDMA   11.0t     10056   CAA   IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)   WLAN   2.8t     10060   CAB   IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)   WLAN   2.8t     10061   CAB   IEEE 802.11b WiFi 2.4 GHz (DSSS, 5 1 Mbps)   WLAN   8.6t     10062   CAC   IEEE 802.11b WiFi 5 GHz (OFDM, 8 Mbps)   WLAN   8.6t     10063   CAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 8 Mbps)   WLAN   9.0t     10066   CAC   IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)   WLAN   9.0t     10067   CAB   IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)   WLAN   9.0t     10068   CAC   IEEE 802.11a/	10026	DAC		GSM	9.55	±9.6%
10028   DAC   GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)   GSM   3.5:   10029   DAC   EDGE-FDD (TDMA, BPSK, TN 0-1-2-3)   GSM   7.7:   10030   CAA   IEEE 802.15.1 Bluetooth (GFSK, DH1)   Bluetooth   1.8:   10031   CAA   IEEE 802.15.1 Bluetooth (GFSK, DH3)   Bluetooth   1.8:   10032   CAA   IEEE 802.15.1 Bluetooth (GFSK, DH3)   Bluetooth   1.8:   10032   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)   Bluetooth   7.7:   10034   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)   Bluetooth   7.7:   10034   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)   Bluetooth   4.5:   10035   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)   Bluetooth   3.8:   10036   CAA   IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)   Bluetooth   8.0:   10037   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   8.0:   10037   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   8.0:   10037   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   4.7:   10038   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH3)   Bluetooth   4.7:   10038   CAA   IEEE 802.15.1 Bluetooth (B-DPSK, DH5)   Bluetooth   4.7:   10044   CAA   IS-44   IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)   AMPS   7.7:   10044   CAA   IS-44   IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)   AMPS   7.7:   10044   CAA   BS-47   IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)   AMPS   0.0:   10049   CAA   DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)   DECT   13.8:   10049   CAA   DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)   DECT   10.7:   10056   CAA   UMTS-TDD (TD-SCDMA, 1.28 Mcps)   TD-SCDMA   11.0:   10056   CAA   UMTS-TDD (TD-SCDMA, 1.28 Mcps)   TD-SCDMA   11.0:   10056   CAA   IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)   WLAN   2.1:   10060   CAB   IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)   WLAN   2.1:   10060   CAB   IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)   WLAN   2.1:   10060   CAC   IEEE 802.11b WiFi 5 GHz (OFDM, 8 Mbps)   WLAN   9.0:   10060   CAC   IEEE 802.11b WiFi 5 GHz (OFDM, 9 Mbps)   WLAN   9.0:   10060   CAC   IEEE 802.11b WiFi 5 GHz (OFDM, 9 Mbps)   WLAN   9.0:   1	10027	DAC		GSM	4.80	±9.6%
10030			GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10031		DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6%
10032		CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)		5.30	±9.6%
10033	10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6%
10034	10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10035				Bluetooth	7.74	± 9.6 %
10036		CAA			4.53	± 9.6 %
10037			IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)		3.83	± 9.6 %
10038	10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)		8.01	± 9.6 %
10039					4.77	± 9.6 %
10042   CAB   IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)   AMPS   7.78					4.10	± 9.6 %
10044				CDMA2000	4.57	± 9.6 %
10048		CAB		AMPS	7.78	± 9.6 %
10049					0.00	± 9.6 %
10056         CAA         UMTS-TDD (TD-SCDMA, 1.28 Mcps)         TD-SCDMA         11.0           10058         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)         GSM         6.5           10059         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)         WLAN         2.1           10060         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)         WLAN         2.8           10061         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)         WLAN         3.6           10062         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)         WLAN         8.6           10063         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)         WLAN         8.6           10064         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.0           10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.0           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         9.3           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11g WiFi 2.4 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g					13.80	± 9.6 %
10058   DAC   EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)   GSM   6.5;					10.79	± 9.6 %
10059         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)         WLAN         2.1:           10060         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)         WLAN         2.8:           10061         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)         WLAN         3.6i           10062         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)         WLAN         8.6i           10063         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)         WLAN         8.6i           10064         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)         WLAN         9.0i           10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.0i           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.0i           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.6           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.6           10073         CAB			<del> </del>		11.01	± 9.6 %
10060         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)         WLAN         2.83           10061         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)         WLAN         3.64           10062         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)         WLAN         8.61           10063         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)         WLAN         8.63           10064         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)         WLAN         9.01           10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.01           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.03           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.6           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CA					6.52	± 9.6 %
10061         CAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)         WLAN         3.60           10062         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)         WLAN         8.61           10063         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)         WLAN         8.61           10064         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)         WLAN         9.01           10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.01           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.03           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 14 Mbps)         WLAN         9.9           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.3           10075					2,12	± 9.6 %
10062         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)         WLAN         8.66           10063         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)         WLAN         8.66           10064         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)         WLAN         9.01           10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.01           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.01           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.9           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075					2.83	± 9.6 %
10063         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)         WLAN         8.63           10064         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)         WLAN         9.04           10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.04           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.03           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.6           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.3           10077					3.60	± 9.6 %
10064         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)         WLAN         9.03           10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.04           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.34           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.6           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.9           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.3           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.3           10077						± 9.6 %
10065         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)         WLAN         9.00           10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.31           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.9           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.5           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         10.5						± 9.6 %
10066         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)         WLAN         9.33           10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.9           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         11.0           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082						± 9.6 %
10067         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         WLAN         10.1           10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.9           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.7           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         10.9           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090 <td></td> <td></td> <td></td> <td></td> <td></td> <td>±9.6 %</td>						±9.6 %
10068         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         WLAN         10.2           10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.9           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         10.9           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000 (3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10098         CAB						± 9.6 %
10069         CAC         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         WLAN         10.5           10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.8           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.6           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.9           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         10.9           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10098         CAB						±9.6 %
10071         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         WLAN         9.83           10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.63           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.96           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         10.9           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10098         CAB         UMTS-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE						±9.6 %
10072         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         WLAN         9.65           10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.96           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         11.0           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10098         CAB         UMTS-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FD						± 9.6 % ± 9.6 %
10073         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         WLAN         9.99           10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         11.0           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 1						±9.6%
10074         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         WLAN         10.3           10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         11.0           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4					***************************************	± 9.6 %
10075         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         WLAN         10.7           10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         11.0           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4				<u> </u>		± 9.6 %
10076         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         WLAN         10.9           10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         11.0           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4						± 9.6 %
10077         CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         WLAN         11.0           10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4						±9.6 %
10081         CAB         CDMA2000 (1xRTT, RC3)         CDMA2000         3.9           10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4						± 9.6 %
10082         CAB         IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)         AMPS         4.7           10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4						± 9.6 %
10090         DAC         GPRS-FDD (TDMA, GMSK, TN 0-4)         GSM         6.5           10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4						± 9.6 %
10097         CAB         UMTS-FDD (HSDPA)         WCDMA         3.9           10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4						± 9.6 %
10098         CAB         UMTS-FDD (HSUPA, Subtest 2)         WCDMA         3.9           10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4					3.98	± 9.6 %
10099         DAC         EDGE-FDD (TDMA, 8PSK, TN 0-4)         GSM         9.5           10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4					3.98	± 9.6 %
10100         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)         LTE-FDD         5.6           10101         CAE         LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)         LTE-FDD         6.4				<del></del>	9.55	± 9.6 %
10101 CAE LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD 6.4				<del></del>	5.67	± 9.6 %
					6.42	± 9.6 %
TRUTUS TORE FELE-FOOTOO-FORMA, 100% ND. ZURANZ, 04-GARAN TRUTE-FOOT TRE-FOOT TO BE	10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
				······································	9.29	±9.6 %
			<del></del>		9.97	± 9.6 %
					10.01	± 9.6 %
				+	5.80	± 9.6 %

10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	I TE EDD	T 0 40	1000
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD LTE-FDD	6.43 5.75	±9.6%
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)		6.44	±9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD		±9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD LTE-FDD	6.59	±9.6 %
10113	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)		6.62	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, 16-QAM)	WLAN WLAN	8.10	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)		8.46	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN WLAN	8.15	± 9.6 % ± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.07 8.59	
10119	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 18-QAM)	WLAN	<del>}</del>	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	8.13 6.49	±9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 % ± 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	CAE	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	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183 10184	AAD CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	6.50	±9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)  LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	5.73	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)  LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.51	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)  LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD LTE-FDD	6.50	±9.6%
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QFSK)  LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.73 6.52	±9.6%
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 % ± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
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10220	CAC	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) IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN WLAN	8.27 8.06	±9.6%
10223	CAC				± 9.6 %
10223		IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN WLAN	8.48	±9.6%
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) UMTS-FDD (HSPA+)	WCDMA	8.08 5.97	± 9.6 %
10225				9.49	±9.6%
	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD		± 9.6 %
10227 10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD LTE-TDD	9.22	± 9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)		9.48	±9.6%
10230	CAC		LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD LTE-TDD	9.19 9.48	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	10.25	±9.6 % ±9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10,25	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10237	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 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10240	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6%
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAF	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	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	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6%
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAF	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-TOD	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	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 WCDMA	4.87	± 9.6 % ± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	PHS	3.96 11.81	± 9.6 %
10277 10278	CAA	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	±9.6 %
10279	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10290	AAB	CDMA2000, RC1, SO35, Full Rate	CDMA2000	3.46	± 9.6 %
10291	AAB	CDMA2000, RC3, SO35, Full Rate  CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
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10300	AAD	LITE EDD (CC EDMA FOR DD 2 MILE CA CANA	LITE EDD	0.00	
10300	AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	LTE-FDD WiMAX	6.60 12.03	± 9.6 % ± 9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WiMAX	12.57	± 9.6 %
		symbols)	VVIIVI/ VX	12.51	2 3.0 70
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, 15	WiMAX	15.24	± 9.6 %
		symbols)			
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
		symbols)			
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	± 9.6 %
		symbols)			
10308	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, 18	WiMAX	14.58	± 9.6 %
10310	AAA	symbols)	10/10/40/2/	44 ===	
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTC CDD	6.06	1000
10313	AAA	IDEN 1:3	LTE-FDD iDEN	6.06 10.51	±9.6 % ±9.6 %
10314	AAA	IDEN 1:6	IDEN		
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)		13.48	±9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN WLAN	1.71 8.36	±9.6 % ±9.6 %
10317	AAC	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	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)			
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 duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	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,	WLAN	8.14	± 9.6 %
10419	AAA	Long preambule) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	10/1 03/	0.40	
10419	~~~	Short preambule)	WLAN	8.19	± 9.6 %
10422	AAB	Short preambule)   IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	0 22	T 0 C 0/
10744		IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32 8.47	±9.6%
	∆∆⊷			0.47	± 9.6 %
10423	AAB				<b>±060/</b>
10423 10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6%
10423 10424 10425	AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN WLAN	8.40 8.41	± 9.6 %
10423 10424 10425 10426	AAB AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN WLAN WLAN	8.40 8.41 8.45	± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427	AAB AAB AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN	8.40 8.41 8.45 8.41	± 9.6 % ± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430	AAB AAB AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN LTE-FDD	8.40 8.41 8.45 8.41 8.28	±9.6 % ±9.6 % ±9.6 %
10423 10424 10425 10426 10427 10430 10431	AAB AAB AAB AAB AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430 10431 10432	AAB AAB AAB AAB AAD AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430 10431 10432 10433	AAB AAB AAB AAD AAD AAC AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430 10431 10432	AAB AAB AAB AAB AAD AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.60	± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430 10431 10432 10433 10434	AAB AAB AAB AAD AAD AAC AAC AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430 10431 10432 10433 10434	AAB AAB AAB AAD AAD AAC AAC AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.60	± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10447	AAB AAB AAB AAD AAC AAC AAAC AAAA AAF AAD AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.60 7.82	± 9.6 % ± 9.6 %
10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAD AAC AAC AAAC AAAA AAF	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.60 7.82	± 9.6 % ± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	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	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±96%
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6%
10462	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAE	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	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	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	AAF	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	AAF	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	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10480	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6%
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6 %
10489	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10493						
10494	10492	AAE		LTE-TDD	8.41	± 9.6 %
10494	10493	AAE		LTE-TDD	8.55	± 9.6 %
10496   AAF   LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL   LTE-TDD   8.34   ±9.6 %   Subframe=2,34,74,9.9			Subframe=2,3,4,7,8,9)			
10496	10494	AAF		LTE-TDD	7.74	± 9.6 %
10496	10495	AAF		LTE-TDD	8.37	± 9.6 %
Subframe*2,3.47,8.9    AA LTE-TDD (SG-FDMA, 100% RB, 1.4 MHz, QPSK, UL   LTE-TDD	40400			LTE TOD	0.54	
10499	10496	AAF		LIE-IDD	8.54	±9.6%
10499	10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
Subframe=2,3,4,7,8,9   ANA   LTE-TDD   SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL   LTE-TDD   T.67   ± 9.6 %   Subframe=2,3,4,7,8,9   LTE-TDD   SC-FDMA, 100% RB, 3 MHz, QPSK, UL   LTE-TDD   T.67   ± 9.6 %   Subframe=2,3,4,7,8,9   LTE-TDD   SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL   LTE-TDD   S.44   ± 9.6 %   Subframe=2,3,4,7,8,9   LTE-TDD   SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD   S.52   ± 9.6 %   Subframe=2,3,4,7,8,9   LTE-TDD   SC-FDMA, 100% RB, 5 MHz, QPSK, UL   LTE-TDD   T.772   ± 9.6 %   Subframe=2,3,4,7,8,9   LTE-TDD   SC-FDMA, 100% RB, 5 MHz, QPSK, UL   LTE-TDD   T.772   ± 9.6 %   Subframe=2,3,4,7,8,9   Subframe=2,3,4,7,8,9   LTE-TDD   SC-FDMA, 100% RB, 5 MHz, QPSK, UL   LTE-TDD   T.772   ± 9.6 %   Subframe=2,3,4,7,8,9   Subframe=2,3,4,7,8,9	10409		Subframe=2,3,4,7,8,9)	LTC TDD	9.40	1060/
Subframe=2,3,4,7,8,9    Subf	10490	AAA		LIE-IDD	0.40	19.0%
10500	10499	AAA		LTE-TDD	8.68	± 9.6 %
Subframe=2,3,4,7,8,9   Subframe=2,3,4,7,8,9	10500	AAB	Subtrame=2,3,4,7,8,9)   TE-TDD (SC-FDMA 100% RB 3 MHz OPSK 1)	LTE-TDD	7.67	+96%
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL   Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 16 MHz, QPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPSK, UL   LTE-TDD (SC-FDMA, 100% RB, 20 MHz, GPS			Subframe=2,3,4,7,8,9)			
10502	10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	±9.6%
Subframe=2,3,4,7,8,9	10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.52	± 9.6 %
Subframe=2,3,4,7,8,9			Subframe=2,3,4,7,8,9)			
10504   AAE   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL   LTE-TDD   8.31   ± 9.6 %   Subframe=2,3,4,7,8,9   Subframe=2,3,4,7,8,9   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL   LTE-TDD   7.74   ± 9.6 %   Subframe=2,3,4,7,8,9   Subframe=2,3,4,7,8,9   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL   LTE-TDD   8.36   ± 9.6 %   Subframe=2,3,4,7,8,9   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL   LTE-TDD   8.36   ± 9.6 %   Subframe=2,3,4,7,8,9   Subframe=2,3,4,7,8,9   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL   LTE-TDD   8.55   ± 9.6 %   Subframe=2,3,4,7,8,9   Subfr	10503	AAE		LTE-TDD	7.72	± 9.6 %
10505	10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.31	±9.6 %
Subframe=2,3,4,7,8,9	40505		Subframe=2,3,4,7,8,9)			
10506	10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LIE-IDD	8.54	± 9.6 %
10507	10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL   LTE-TDD   S.55   ± 9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL   LTE-TDD   T.99   ± 9.6 %   Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL   LTE-TDD   S.49   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.51   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL   LTE-TDD   T.74   ± 9.6 %   Subframe=2,3,4,7,8,9    Subframe=2,3,4,7,	10507	AAE		LTC TOD	0.26	1060/
10508	10307	AAE		E IE-IDD	0.30	19.0%
10509	10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL   LTE-TDD   8.49   ± 9.6 %   Subframe=2,3,4,7,8,9	10509	AAF	Subtrame=2,3,4,7,8,9)   LTF-TDD (SC-FDMA 100% RB 15 MHz OPSK 11)	LTE-TOD	7 99	+96%
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL   LTE-TDD   S.51			Subframe=2,3,4,7,8,9)			
10511	10510	AAE		LTE-TDD	8.49	± 9.6 %
10512	10511	AAE		LTE-TDD	8.51	± 9.6 %
Subframe=2,3,4,7,8,9    LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL   LTE-TDD   8.42	10510	A A F		I TE TOD	771	1000
10513	10512	AAF	Subframe=2.3.4.7.8.9)	LIE-IDD	7.74	± 9.6 %
10514	10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.42	± 9.6 %
Subframe=2,3,4,7,8,9	10514	AAE		LTE TOD	0.45	1069/
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       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)       WLAN       8.23       ± 9.6 %         10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11a/k WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20M	10014	^^'		LIE-IDD	0.40	19.0%
10517         AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)         WLAN         1.58         ± 9.6 %           10518         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11ac/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)         WLAN         8.21         ± 9.6						
10518         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)         WLAN         8.23         ± 9.6 %           10519         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)         WLAN         8.39         ± 9.6 %           10520         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)         WLAN         8.12         ± 9.6 %           10521         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)         WLAN         7.97         ± 9.6 %           10522         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)         WLAN         8.45         ± 9.6 %           10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %						
10519       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)       WLAN       8.39       ± 9.6 %         10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) </td <td></td> <td></td> <td></td> <td></td> <td><del>-}</del></td> <td></td>					<del>-}</del>	
10520       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)       WLAN       8.12       ± 9.6 %         10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)						
10521       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)       WLAN       7.97       ± 9.6 %         10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN			IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)			
10522       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)       WLAN       8.45       ± 9.6 %         10523       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)       WLAN       8.08       ± 9.6 %         10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %						
10523         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)         WLAN         8.08         ± 9.6 %           10524         AAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)         WLAN         8.27         ± 9.6 %           10525         AAB         IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10526         AAB         IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)         WLAN         8.42         ± 9.6 %           10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %						1
10524       AAB       IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)       WLAN       8.27       ± 9.6 %         10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %			IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)			
10525       AAB       IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %		<del></del>	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)			
10526       AAB       IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)       WLAN       8.42       ± 9.6 %         10527       AAB       IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)       WLAN       8.21       ± 9.6 %         10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %			IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)			
10527         AAB         IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)         WLAN         8.21         ± 9.6 %           10528         AAB         IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %						
10528       AAB       IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10529       AAB       IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)       WLAN       8.36       ± 9.6 %         10531       AAB       IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)       WLAN       8.43       ± 9.6 %         10532       AAB       IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)       WLAN       8.29       ± 9.6 %         10533       AAB       IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)       WLAN       8.38       ± 9.6 %						± 9.6 %
10529         AAB         IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)         WLAN         8.36         ± 9.6 %           10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %						
10531         AAB         IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)         WLAN         8.43         ± 9.6 %           10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %						1
10532         AAB         IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)         WLAN         8.29         ± 9.6 %           10533         AAB         IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)         WLAN         8.38         ± 9.6 %						· · · · · · · · · · · · · · · · · · ·
10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
10004   AMB   IEEE OUZ.TTac WIFT (40MHZ, MICSU, 99pc duty cycle)   WLAN   8.45   ± 9.6 %						
	10034	I WAR	TEEE OUZ. Frac WIFT (40MHZ, MICSU, 99pc duty cycle)	I WLAN	J 8.45	1 ± 9.6 %

4000					
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN		± 9.6 %
10543	AAB	IEEE 002.11dc Wil 1 (40MHz, MCCO, 99pc duty cycle)	1	8.65	
		IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB			****	
		IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8,69	± 9.6 %
10563					
	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
		cycle)			
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	±9.6 %
		cycle)			
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
		cycle)			
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
		cycle)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.00	_ 5.5 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
1,0000	/ / / / /	cycle)	WEAT	0.57	5.0 /6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	MAIL A NI	0.40	1000
10309	AAA		WLAN	8.10	± 9.6 %
10570		cycle)	<del>                                     </del>		
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
		cycle)			
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6%
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6%
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	±9.6%
10010	7001	cycle)	VVL	0.55	± 0.0 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
10376	AAAA	1	WLAN	0.00	19.0%
10555		cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
		cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
		cycle)		ł	
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
		cycle)			
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
1000	/ 5 5 1	cycle)	1112111	0.70	-0.0 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
10301	\		AATVIA	0.55	1 3.0 76
10500	ΛΛΛ	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	10/1 001	0.67	+060/
10582	AAA		WLAN	8.67	± 9.6 %
10505	A 4 =	cycle)	1847		
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
			,	1 0.00	, _ 0.0 /0

10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)			
***************************************			WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN		
				8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8,82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB				
		IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6%
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 30pc duty cycle)	WLAN		
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)		8.79	± 9.6 %
		TEEE 902.11 ac WIFT (TOUWITZ, WOSZ, SUPC QULY CYCIE)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648		CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
,	AAA			U. TU	± 0.0 /0
10652	AAA			***********	+060/
10652 10653	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6 %
10652 10653 10654				***********	± 9.6 % ± 9.6 % ± 9.6 %

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10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658 10659	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
	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	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6 %
10672 10673	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
<u> </u>	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10675 10676	AAA AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN WLAN	8.90	± 9.6 %
10677	AAA			8.77	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle) IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN WLAN	8.78	±9.6 % ±9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.89	
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.80 8.62	± 9.6 % ± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 % ± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6%
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±96%
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6%
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6%
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709 10710	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6%
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN WLAN	8.29	±9.6%
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle) IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.39 8.67	± 9.6 % ± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.26	±9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6%
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6%
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %

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10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6%
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 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





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

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

Accreditation No.: SCS 0108

Client

**PC Test** 

Certificate No: EX3-7410\_Jul19

## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7410

Calibration procedure(s)

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

Calibration procedure for dosimetric E-field probes

BNV

07/3/12010

Calibration date:

July 16, 2019

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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check; Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check; Oct-19

Calibrated by:

Deton Kastrati

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: July 16, 2019

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

#### Calibration Laboratory of

Schmid & Partner
Engineering AG
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S Schweizerischer Kalibrierdienst
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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

Glossary:

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

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

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

Polarization φ

φ rotation around probe axis

Polarization 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) 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 handheld 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"

#### 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 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).

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EX3DV4 - SN:7410

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7410

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.41	0.47	0.43	± 10.1 %
DCP (mV) <sup>B</sup>	95.0	98.5	98.3	

Calibration Results for Modulation Response

UID	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	143.3	± 3.3 %	± 4.7 %
		Y	0.00	0.00	1.00		136.3	/•	" ' ' '
		Z	0.00	0.00	1.00		146.3		
10352-	Pulse Waveform (200Hz, 10%)	X	7.20	77.00	15.83	10.00	60.0	± 3.7 %	± 9.6 %
AAA		Y	15.00	89.41	20.45		60.0		
		Z	15.00	86.58	19,43		60.0		
10353-	Pulse Waveform (200Hz, 20%)	Х	15.00	85.70	17.13	6.99	80.0	± 2.7 %	± 9.6 %
AAA	· ·	Y	15.00	94.26	21.82	1	80.0	·	
		Z	15.00	87.46	18.36	1	80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	84.98	15.02	3.98	95.0	± 1.4 %	± 9.6 %
AAA		Y	15.00	105.63	25.93	1	95.0		
		Z	15.00	86.91	16.30	1	95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.58	63.48	6.70	2.22	120.0	± 1.4 %	± 9.6 %
AAA	, , , , ,	Y	15.00	128.91	35.05	1	120.0		
		Z	1.67	69.27	9.07		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.58	60.52	7.75	0.00	150.0	± 2.7 %	±9.6 %
AAA		Y	1.10	67.31	12.60		150.0		
		Z	0.65	60.71	8.42		150.0		
10388-	QPSK Waveform, 10 MHz	Х	2.25	68.70	16.13	0.00	150.0	± 1.1 %	±9.6%
AAA		Y	2.69	71.62	17.77		150.0		
		Z	2.10	66.95	14.95		150.0		
10396-	64-QAM Waveform, 100 kHz	X	2.85	69.56	18.52	3.01	150.0	± 0.7 %	± 9.6 %
AAA		Υ	3.27	72.43	19.82		150.0		
		Z	2.96	69.30	18.13		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.51	67.28	15.99	0.00	150.0	± 2.2 %	± 9.6 %
AAA		Υ	3.73	68.43	16.68		150.0		
		Z	3.45	66.65	15.48		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.86	65.74	15.76	0.00	150.0	± 4.2 %	± 9.6 %
AAA		Y	5.02	66.29	16.07		150.0		
		Z	4.91	65.47	15.50		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.

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7410

#### **Sensor Model Parameters**

	C1 fF	C2 fF	a V⁻¹	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V-2	T5 V <sup>-1</sup>	T6
X	44.0	341.99	38.28	7.82	0.67	5.04	0.00	0.55	1.01
Υ	48.3	362.63	36.17	12.06	0.12	5.10	0.87	0.38	1.01
Z	52.1	408.62	38.63	10.30	0.68	5.08	0.00	0.64	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	0.7
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

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7410

#### Calibration Parameter Determined in Head 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	41.9	0.89	9.95	9.95	9.95	0.69	0.80	± 12.0 %
835	41.5	0.90	9.88	9.88	9.88	0.51	0.80	± 12.0 %
1750	40.1	1.37	8.46	8.46	8.46	0.33	0.86	± 12.0 %
1900	40.0	1.40	8.11	8.11	8.11	0.35	0.86	± 12.0 %
2300	39.5	1.67	7.91	7.91	7.91	0.34	0.90	± 12.0 %
2450	39.2	1.80	7.47	7.47	7.47	0.37	0.90	± 12.0 %
2600	39.0	1.96	7.33	7.33	7.33	0.39	0.90	± 12.0 %
5250	35.9	4.71	5.46	5.46	5.46	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.85	4.85	4.85	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.05	5.05	5.05	0.40	1.80	± 13.1 %

<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.

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.

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:7410

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

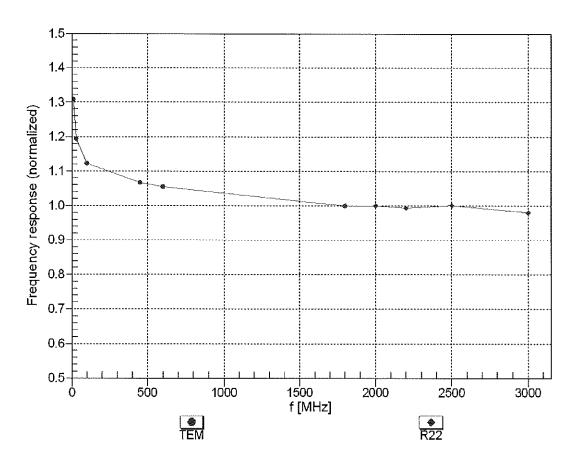
f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>6</sup> (mm)	Unc (k=2)
750	55.5	0.96	10.01	10.01	10.01	0.48	0.84	± 12.0 %
835	55.2	0.97	9.79	9.79	9.79	0.48	0.80	± 12.0 %
1750	53.4	1.49	8.08	8.08	8.08	0.38	0.86	± 12.0 %
1900	53.3	1.52	7.78	7.78	7.78	0.42	0.86	± 12.0 %
2300	52.9	1.81	7.68	7.68	7.68	0.43	0.90	± 12.0 %
2450	52.7	1.95	7.44	7.44	7.44	0.33	0.90	± 12.0 %
2600	52.5	2.16	7.43	7.43	7.43	0.33	0.80	± 12.0 %
5250	48.9	5.36	4.95	4.95	4.95	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.42	4.42	4.42	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.60	4.60	4.60	0.50	1.90	± 13.1 %

<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 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 Convertainty 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.

# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

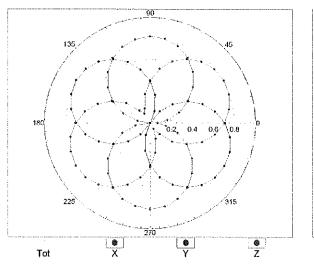


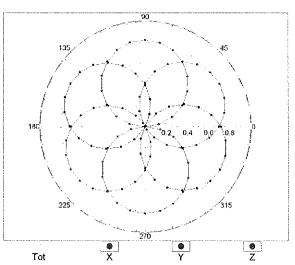
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

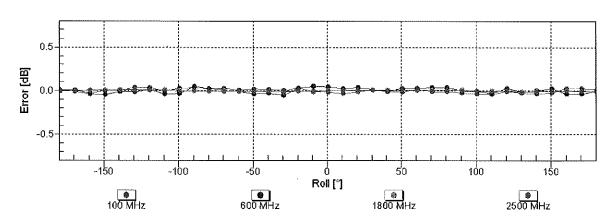
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

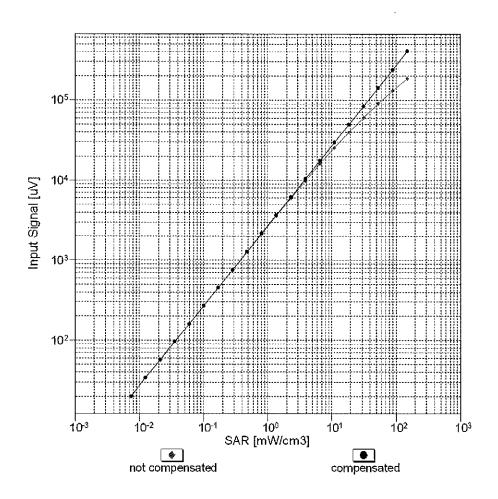


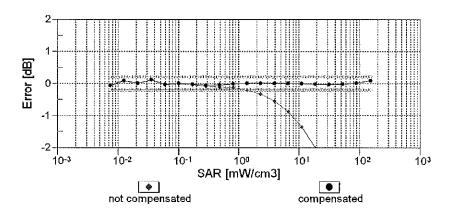




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

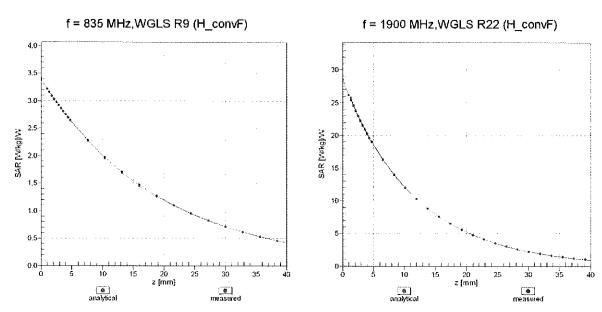
# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)



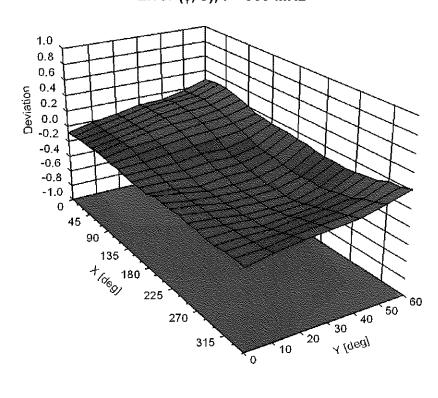


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

# **Conversion Factor Assessment**



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



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## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>t</sup> (k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	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 (PI/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	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6 %
10069	CAC	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	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
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 %

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(0.100	T				
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	<del></del>
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)			± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.10	± 9.6 %
			WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	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		
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)		5.76	± 9.6 %
10147	CAF	TE EDD (SC EDMA 100% DD 14 MILE C4 CAN)	LTE-FDD	6.41	± 9.6 %
10147	CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
		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	
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)			± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	6.56	± 9.6 %
10161	CAE	LTE EDD (SC EDMA 50% DB 45 MUL 40 OAA)	LTE-FDD	5.82	± 9.6 %
10162	***************************************	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
	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		
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	10.25	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	<del>  -:-:</del>	5.72	± 9.6 %
10177	CAI	TE EDD (SC EDMA 1 DR 5 MIL - ODOK)	LTE-FDD	6.52	±9.6%
		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	5.72	± 9.6 %
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	
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)			± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.52	± 9.6 %
10103	CAC		LTE-FDD	6.50	± 9.6 %
10193		IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
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10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN WLAN	8.13 8.27	± 9.6 % ± 9.6 %
10221		IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.06	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.48	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.08	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WCDMA	5.97	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)		9.49	
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD		± 9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD LTE-TDD	10.26 9.22	± 9.6 % ± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.48	± 9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10230	CAC		LTE-TDD	9.19	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.48	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	10.25	± 9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	9.21	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.48	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)			***************************************
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	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-TOD	9.48	± 9.6 % ± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TOD	10.25	
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD LTE-TDD	9.21 9.82	± 9.6 % ± 9.6 %
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	10.06	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TOD	10.06	± 9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)		9.30	
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD LTE-TDD	9.30	±9.6 % ±9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)		10.09	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD LTE-TDD	9.29	±9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TOD	9.81	± 9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	10.17	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.24	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.90	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	10.14	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	9.20	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)  LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10256	CAA		LTE-TDD	10.08	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)  LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10258	CAA		LTE-TDD	9.98	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TOD	9.24	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.83	± 9.6 %
10262		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	10.16	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)  LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9,23	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QFSR)  LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6 %
10265	CAF CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 10-QAM)	LTE-TDD	10.07	± 9.6 %
10266 10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.13	± 9.6 %
10269 10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM)	LTE-TDD	9.58	± 9.6 %
10270	CAP	UMTS-FDD (SC-FDMA, 100% RB, 10 MHz, QF3R)	WCDMA	4.87	±9.6 %
	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10275 10277	CAA	PHS (QPSK)	PHS	11.81	±9.6 %
10277	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10279	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10290	AAB	CDMA2000, RC1, SO33, Full Rate	CDMA2000	3.46	± 9.6 %
10291	AAB	CDMA2000, RC3, SC33, Full Rate	CDMA2000	3.39	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10295	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10233	1,000	W. F.   DD   OO   DITH   OO / O   D   D   TH   E.   TO OO WIT			

10200	LAAD	LTE EDD (OG EDMA FON ED OLGU OA OA)	1		4
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
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, 3 CTRL	WiMAX	12.57	± 9.6 %
10303	A A A	symbols)			
	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, 15	WiMAX	15.24	± 9.6 %
10306	A A A	symbols)			
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
10307	AAA	symbols)			
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	± 9.6 %
40200	L	symbols)			
10308 10309	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, 18	WiMAX	14.58	±9.6%
10310	A A A	symbols)			
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WiMAX	14.57	± 9.6 %
10211	A A D	symbols)	<u> </u>		
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 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	AAC	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	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)	272 100	1.02	2 0.0 70
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 duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	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,	WLAN	8.14	
		Long preambule)	VYLAIN	0.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	+069/
		Short preambule)	VALIM	0.19	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	0.22	1000
				8.32	± 9.6 % ± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield 43.3 Mbns, 16-CAM)	I AA/LA M	0 17	T M N %
10423 10424	AAB AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6 %
10424 10425	AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN WLAN	8.40 8.41	± 9.6 % ± 9.6 %
10424 10425 10426	AAB AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN WLAN WLAN	8.40 8.41 8.45	± 9.6 % ± 9.6 % ± 9.6 %
10424 10425 10426 10427	AAB AAB AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN	8.40 8.41 8.45 8.41	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430	AAB AAB AAB AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN LTE-FDD	8.40 8.41 8.45 8.41 8.28	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431	AAB AAB AAB AAB AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431 10432	AAB AAB AAB AAD AAD AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431 10432 10433	AAB AAB AAB AAD AAD AAC AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34	± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431 10432 10433 10434	AAB AAB AAB AAD AAD AAC AAC AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.60	± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431 10432 10433	AAB AAB AAB AAD AAD AAC AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34	± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAD AAC AAC AAC AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.60 7.82	± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAD AAD AAC AAC AAA AAF	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.60 7.82	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %
10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAD AAC AAC AAA AAF AAD AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.60 7.82 7.56 7.53	± 9.6 % ± 9.6 %
10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAD AAD AAC AAC AAA AAF	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.60 7.82	±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 %

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10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	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	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2.3.4.7.8.9)			
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	±9.6 %
		Subframe=2,3,4,7,8,9)			
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2.3.4.7.8.9)			
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10466	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
		Subframe=2,3,4,7,8,9)			
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
		Subframe=2,3,4,7,8,9)		7.00	
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			. 0 0 0/
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)	LTE TOD	7.82	1069/
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
	<del>  </del>	Subframe=2,3,4,7,8,9)	LTC TOO	8.32	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	0.32	1 9.0 %
40475	0.05	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10475	AAE			0.07	3.0.0
10477	AAF	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10477	AAF	Subframe=2,3,4,7,8,9)		0.02	20.070
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10470	^^1	Subframe=2,3,4,7,8,9)			]
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10473	1,777	Subframe=2,3,4,7,8,9)		'''	
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
10400	1,00.	Subframe=2,3,4,7,8,9)			****
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
10101	/	Subframe=2.3.4.7.8.9)			
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
	1	Subframe=2,3,4,7,8,9)			
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
		Subframe=2.3.4.7.8.9)			
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
	1	Subframe=2,3,4,7,8,9)			
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	±9.6 %
		Subframe=2,3,4,7,8,9)			
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	± 9.6 %
	1	Subframe=2,3,4,7,8,9)			
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.60	± 9.6 %
		Subframe=2,3,4,7,8,9)		ļ	
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL	LTE-TDD	7.70	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
		Subframe=2.3.4.7.8.9)			1
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
		Subframe=2,3,4,7,8,9)			
40404	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10491		Subframe=2,3,4,7,8,9)		í	

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10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	± 9.6 %
10496	AAF	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	AAA	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	AAA	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	AAA	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	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	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	AAB	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	± 9.6 %
10504	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAE	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	AAE	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	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	AAF	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, 2 Mbps, 99pc duty cycle)	WLAN	1,58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
4000		LIEEE 900 4400 MCC: (20MUL MOOZ 00			
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10532 10533 10534	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN WLAN WLAN	8.29 8.38	± 9.6 % ± 9.6 %

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10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6%
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8,49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6%
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6%
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563		IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
	AAC	IEEE 802.11ac WIFI (160MHz, MC39, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10564	AAA		VVLAN	0.23	2 9.0 %
40565	A A A	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
10565	AAA	, , , , , , , , , , , , , , , , , , , ,	VV L/AIV	0.45	1 3.0 /6
40500	0.0.0	cycle)	WLAN	8,13	±9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	0.13	19.070
40507		cycle)	144 451	<del> </del>	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
40500		cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	±9.6 %
10568	AAA	1	VVLAIN	0.37	1 9.0 /6
40500		cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
10569	AAA	, , , , , , , , , , , , , , , , , , , ,	VVLAIN	6.10	1 5.0 %
40570		cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
10570	AAA	,	VVLAN	0.30	I 9.0 76
40574	1000	cycle)	WLAN	1.99	±9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)		1.99	
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN		± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
	1	cycle)	100 051	<del></del>	10000
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
<u></u>		cycle)			1000
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	±9.6%
		cycle)	****		
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
		cycle)			
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	±9.6%
		cycle)	1411 111	<del></del>	1.0000
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
		cycle)	1		<u> </u>
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
		cycle)			
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
		cycle)			
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10585	AAB	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
10585 10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN WLAN	8,49	± 9.6 % ± 9.6 %

40500	1 A A D	LEED COO 44 A MUSIC COM COMPANY			
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)			± 9.6 %
10595	AAB	FEEE 002.1111 (111 Mixed, 20MHz, MCSS, 90pc duty cycle)	WLAN	8.74	± 9.6 %
	·	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	-	
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)		8.94	± 9.6 %
10604		IFFE 902.44 (UT Mixed, 40MHz, MOS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN		
10612	AAB	IEEE 802 1130 WIE (20MHz, MOOF, 30pc duty Cycle)		8.70	±9.6 %
10612		IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6%
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN		
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)		8.86	± 9.6 %
10620		IEEE 802.11 ac WIFT (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN		
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)		8.71	± 9.6 %
10630	AAB	TEEE 002.1 Tac WIFT (00MHz, NICSS, 90pc duty cycle)	WLAN	8.85	±9.6 %
		IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6%
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN		
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)		8.83	± 9.6 %
10638			WLAN	8.79	± 9.6 %
	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)			
10645	AAC	IEEE 802.11ac WiF1 (160MHz, MCS9, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10646	AAF	TE TOD (SC EDMA 4 DD E MIL ODOK 11 O 17	WLAN	9.11	± 9.6 %
		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6%
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAD	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 %
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40055		LTE TDD (OFDMA COMULT F TM 2.4 Clinging 449/)	LTE-TDD	7.21	± 9.6 %
10655 10658	AAE AAA	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 70%) 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 %
10670	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS3, 30pc duty cycle)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6%
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6%
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±96%
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55 8.70	± 9.6 % ± 9.6 %
10723 10724	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %
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10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6%
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8,42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6%
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6%
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 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.

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Client

**PC Test** 

Certificate No: EX3-7417\_Feb19

## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7417

Calibration procedure(s)

QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7
Calibration procedure for dosimetric E-field probes

BN

Calibration date:

February 19, 2019

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)

Deine and Otan denda	T ID	O-1 D-1- (O-455-1- N- )	Ontroduted Calibration
Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Арг-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Calibrated by:

Claudio Leubler

Claudio Leubler

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: February 20, 2019

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

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

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

Polarization φ

φ rotation around probe axis

Polarization 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) 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 handheld 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"

#### 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 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).

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## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7417

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.54	0.43	0.53	± 10.1 %
DCP (mV) <sup>8</sup>	98.7	97.4	100.4	

**Calibration Results for Modulation Response** 

UID	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	144.6	± 3.3 %	± 4.7 %
		Y	0.00	0.00	1.00		149.7		
		Z	0.00	0.00	1.00		143.1		
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	88.38	19.65	10.00	60.0	± 3.3 %	± 9.6 %
AAA		Y	4.33	71.38	13.30		60.0		
		Z	7.40	77.44	14.95		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	92.19	20.43	6.99	80.0	± 2.2 %	± 9.6 %
AAA		Y	5.53	76.01	13.64		80.0		ļ
		Z	15.00	85.74	16.43	]	80.0		
10354-	Pulse Waveform (200Hz, 40%)	Х	15.00	107.68	26.54	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Y	9.05	79.53	12.66		95.0		
	***	Z	15.00	90.71	17.41		95.0		
10355-	Pulse Waveform (200Hz, 60%)	Х	15.00	127.17	33.83	2.22	120.0	0 ± 1.2 %	± 9.6 %
AAA		Y	0.26	60.00	4.45	]	120.0		
		Z	15.00	99.84	20.30		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.56	60.62	7.74	0.00	150.0	± 3.6 %	± 9.6 %
AAA		Y	0.42	60.00	4.69		150.0		
		Z	0.44	60.00	5.48		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.27	69.09	16.46	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Υ	1.94	67.43	15.43		150.0		
		Z	2.06	68.27	16.05		150.0	]	
10396-	64-QAM Waveform, 100 kl-lz	X	3.15	72.71	19.95	3.01	150.0	± 2.5 %	± 9.6 %
AAA		Υ	2.04	67.08	18.19	]	150.0		
		Z	2.07	66.03	16.88		150.0		
10399-	64-QAM Waveform, 40 MHz	Х	3.52	67.53	16.10	0.00	150.0	± 2.4 %	± 9.6 %
AAA		Υ	3.32	66.83	15.68		150.0		
		Z	3.38	67.15	15.89		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.80	65.90	15.74	0.00	150.0	± 4.4 %	± 9.6 %
AAA		Y	4.58	65.58	15.59		150.0		
	1	Z	4.60	65.76	15.65		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%.

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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.

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## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7417

**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⁻¹	Т6
X	37.6	279.10	35.33	9.45	0.00	5.09	1.69	0.14	1.01
Υ	29.6	227.60	37.50	5.19	0.43	5.04	0.00	0.16	1.01
Z	28.8	214.34	35.37	6.91	0.00	5.04	0.00	0.24	1.00

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	120.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

February 19, 2019 EX3DV4-SN:7417

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7417

#### Calibration Parameter Determined in Head 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	41.9	0.89	10.36	10.36	10.36	0.54	0.99	± 12.0 %
835	41.5	0.90	10.07	10.07	10.07	0.48	0.84	± 12.0 %
1750	40.1	1.37	8.39	8.39	8.39	0.38	0.85	± 12.0 %
1900	40.0	1.40	8.11	8.11	8.11	0.39	0.84	± 12.0 %
2300	39.5	1.67	7.73	7.73	7.73	0.30	0.93	± 12.0 %
2450	39.2	1.80	7.46	7.46	7.46	0.39	0.95	± 12.0 %
2600	39.0	1.96	7.17	7.17	7.17	0.31	1.05	± 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.

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

measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. 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.

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## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7417

### 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	10.35	10.35	10.35	0.63	0.84	± 12.0 %
835	55.2	0.97	10.11	10.11	10.11	0.43	0.84	± 12.0 %
1750	53.4	1.49	8,21	8.21	8.21	0.43	0.88	± 12.0 %
1900	53.3	1.52	7.86	7.86	7.86	0.43	0.87	± 12.0 %
2300	52.9	1.81	7.64	7.64	7.64	0.41	0.93	± 12.0 %
2450	52.7	1.95	7.51	7.51	7.51	0.40	0.95	± 12.0 %
2600	52.5	2.16	7.37	7.37	7.37	0.33	1.05	± 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.

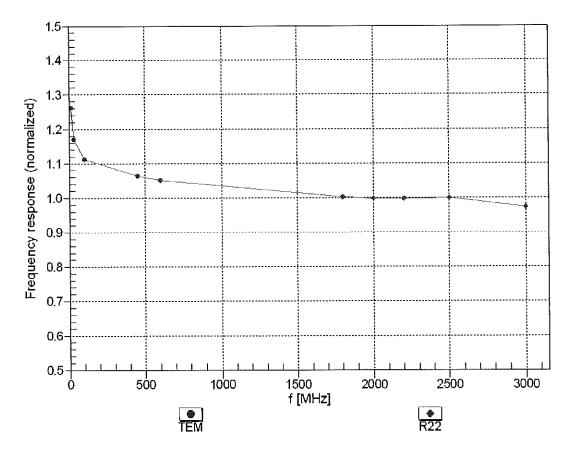
F At frequencies below 3 GHz the validity of these pages of the convF assessed at 1 and 1

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 values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 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 ± 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.

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# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

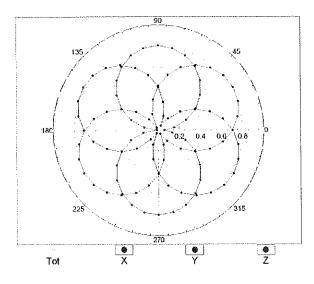
February 19, 2019

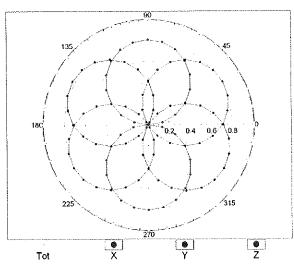
## Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

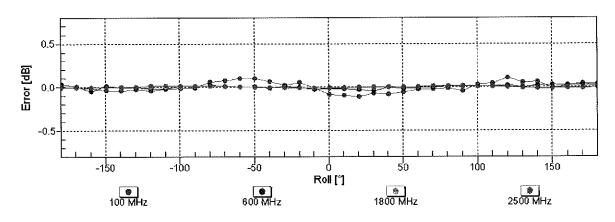


1Hz.TEM

f=1800 MHz,R22

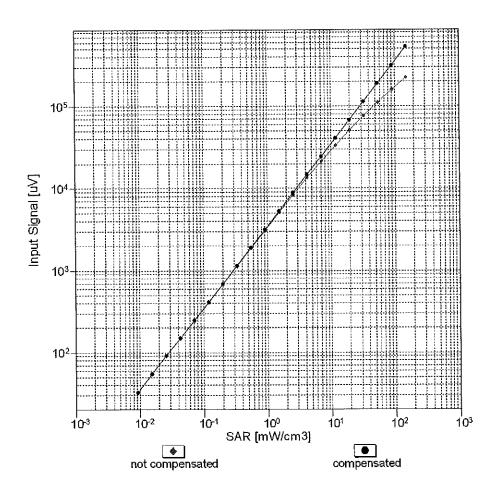


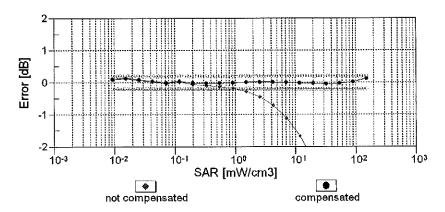




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

## Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)

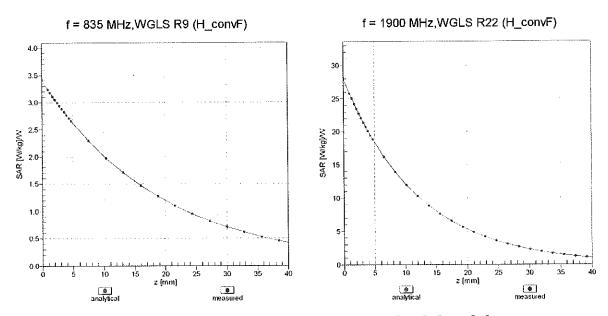




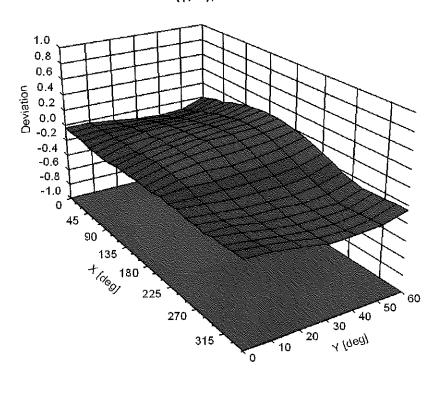
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

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## **Conversion Factor Assessment**



Deviation from Isotropy in Liquid Error ( $\phi$ ,  $\vartheta$ ), f = 900 MHz



EX3DV4- SN:7417

## **Appendix: Modulation Calibration Parameters**

מוט	Rev	Communication System Name	Group	PAR	Unc⁵
0		OM		(dB)	(k=2)
10010	C A A	CW CAR V-W-W (Co	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA) IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WCDMA	2.91	± 9.6 %
10012	CAB		WLAN	1.87	±9.6%
10013	DAC	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) GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	9.57	±9.6 %
10024	DAC	EDGE-FDD (TDMA, 8MSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	4.80	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10020	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	GSM	7.78	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.87	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	1.16	±9.6%
10034	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, DH5)	Bluetooth Bluetooth	4.53 3.83	±9.6%
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 % ± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth		
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.77 4.10	± 9.6 % ± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.10	± 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	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6%
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFl 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	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
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 %

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		1.7F FDD (00 FD) 14 4000 FD 40 MH 40 OAM	LTE EDD	6.49	+060/
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD LTE-FDD	6.43 5.75	± 9.6 % ± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	6.44	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)			± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59 6.62	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	8.10	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN WLAN	8.46	±9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.15	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)		8.07	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN WLAN	8.59	±9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.53	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	5.73	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	6.35	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.65	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	5.76	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)			± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41 6.72	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD		
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 LTE-TDD	6.60 9.28	± 9.6 % ± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)			
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD LTE-TDD	9.92	±9.6 % ±9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)			
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 % ± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43 5.79	
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD		±9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 % ± 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	5.82	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD LTE-FDD	6.43	±9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)			± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58 5.46	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.21	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)		6.79	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD LTE-FDD	5.73	±9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.49	±9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)		9.21	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.48	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	10.25	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	5.72	± 9.6 %
10175		LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)		6.52	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD		± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73 6.52	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.50	± 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	5.72	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	5.73	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	6.51	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	5.73	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	WLAN	8.09	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.12	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.21	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.10	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.13	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.27	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10219	CAC	LIEEE OUZ. HIT (FIT WILKER, 1.2 WILLPS, DEON)	VVLAN	0.00	1 = 0.0 /0

10221 CAC   IEEE 802.111 (IT MINSS, 42.2 Mbps, 8F-0AM)	40000		EEEE OOO AA AUTAN AA OAAN AO OAAN	1		
10222   CAO   IEEE 802.11n (HT Mixed, 15 Mips, BPSK)	10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
19223   CAC   IEEE 802.11 (HT MIXed, 90 Mbps, 16-OAM)		*		WLAN	8.27	±9.6 %
10225   CAC   IEEE 902.11n (IHT Nixed, 150 Mbps, 64-QAM)		CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10225   CAC   IEEE 902.11n (IHT Nixed, 150 Mbps, 64-QAM)	10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10225   CAB   UMIS-FDD (HSPA+)   WCDMA	10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbos, 64-QAM)		~~~	
1922E   CAA   LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-CAM)   LTE-TDD   1.49   ±.9.6 %   1922B   CAA   LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 0FSK)   LTE-TDD   1.22   ±.9.6 %   1922B   CAA   LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 0FSK)   LTE-TDD   1.22   ±.9.6 %   1922B   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 1.6-CAM)   LTE-TDD   1.0.25   ±.9.6 %   1923D   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 1.6-CAM)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 1.6-CAM)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 1.6-CAM)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 1.6-CAM)   LTE-TDD   9.48   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0 CPSK)   LTE-TDD   9.21   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 50% RB, 1 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1923B   CAC   LTE-TDD (SC-FDMA, 50% RB, 1 MHz, 0 CPSK)   LTE-TDD   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.25   ±.9.6 %   1.0.2	10225	CAB				
19227   CAA   LIFE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-CAM)   LIFE-TDD   10.28   ±9.9 %   19229   CAC   LIFE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM)   LIFE-TDD   9.49   ±9.8 %   19229   CAC   LIFE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM)   LIFE-TDD   9.49   ±9.8 %   19231   CAC   LIFE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM)   LIFE-TDD   9.49   ±9.8 %   19231   CAC   LIFE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM)   LIFE-TDD   9.49   ±9.8 %   19231   CAC   LIFE-TDD (SC-FDMA, 1 RB, 3 MHz, 1 CPSK)   LIFE-TDD   10.25   ±9.8 %   19232   CAF   LIFE-TDD (SC-FDMA, 1 RB, 5 MHz, 1 CPSK)   LIFE-TDD   10.25   ±9.6 %   19232   CAF   LIFE-TDD (SC-FDMA, 1 RB, 5 MHz, 1 CPSK)   LIFE-TDD   10.25   ±9.6 %   19233   CAF   LIFE-TDD (SC-FDMA, 1 RB, 5 MHz, 1 CPSK)   LIFE-TDD   10.26   ±9.6 %   19236   CAF   LIFE-TDD (SC-FDMA, 1 RB, 10 MHz, 1 CPSK)   LIFE-TDD   10.26   ±9.6 %   19236   CAF   LIFE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19236   CAF   LIFE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19236   CAF   LIFE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19236   CAF   LIFE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19236   CAF   LIFE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19236   CAF   LIFE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19239   CAF   LIFE-TDD (SC-FDMA, 1 RB, 15 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19239   CAF   LIFE-TDD (SC-FDMA, 1 RB, 15 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19234   CAA   LIFE-TDD (SC-FDMA, 1 RB, 15 MHz, 2 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19234   CAA   LIFE-TDD (SC-FDMA, 5 RB, 1 MHz, 1 G-QAM)   LIFE-TDD   10.26   ±9.6 %   19234   CAA   LIFE-TDD (SC-FDMA, 5 RB, 1 MHz, 2 G-SCAM)   LIFE-TDD   10.06   ±9.6 %   19234   ±9.6 %   19234   LIFE-TDD (SC-FDMA, 5 RB, 1 MHz, 1 G-QAM)   LIFE-TDD   10.06   ±9.6 %   19234   LIFE-TDD (SC-FDMA, 5 RB, 1 MHz, 1 G-QAM)   LIFE-TDD   10.06   ±9.6 %   19234   LIFE-TDD (SC-FDMA, 5 RB, 1 MHz, 1 G-QAM)   LIFE-TDD   10.06   ±9.6 %   19234						10.60/
10228   CAA   LIE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM)   LIE-TDD   9.22   ±.9.6 %   10230   CAC   LIE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM)   LIE-TDD   10.25   ±.9.6 %   10230   CAC   LIE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM)   LIE-TDD   10.25   ±.9.6 %   10231   CAC   LIE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM)   LIE-TDD   10.25   ±.9.6 %   10232   CAF   LIE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-OAM)   LIE-TDD   10.26   ±.9.6 %   10233   CAF   LIE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-OAM)   LIE-TDD   10.26   ±.9.6 %   10233   CAF   LIE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-OAM)   LIE-TDD   9.48   ±.9.6 %   10235   CAF   LIE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-OAM)   LIE-TDD   9.48   ±.9.6 %   10235   CAF   LIE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 M-10 MHz, 16-OAM)   LIE-TDD   9.48   ±.9.6 %   10235   CAF   LIE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 M-10 MHz, 16-OAM)   LIE-TDD   9.21   ±.9.6 %   10235   CAF   LIE-TDD (SC-FDMA, 1 RB, 10 MHz, 2 M-10 MHz, 10 MHz,				····		
10229   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM)						
10230   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-CAM)						
10231   CAC   LTE-TDD (SC-FDMA, 1 RB, 3 MHz, CPSK)   LTE-TDD   9.19   ± 9.6 %   10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.19   ± 9.6 %   10234   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.10   ± 9.6 %   10235   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)   LTE-TDD   9.21   ± 9.6 %   10236   CAF   LTE-TDD (SC-FDMA, 1 RB, 6 MHz, 64-CAM)   LTE-TDD   9.21   ± 9.6 %   10236   CAF   LTE-TDD (SC-FDMA, 1 RB, 1 0 MHz, 64-CAM)   LTE-TDD   10.25   ± 9.6 %   10236   CAF   LTE-TDD (SC-FDMA, 1 RB, 1 0 MHz, 64-CAM)   LTE-TDD   10.25   ± 9.6 %   10236   CAF   LTE-TDD (SC-FDMA, 1 RB, 1 0 MHz, 64-CAM)   LTE-TDD   10.25   ± 9.6 %   10238   CAF   LTE-TDD (SC-FDMA, 1 RB, 1 0 MHz, 64-CAM)   LTE-TDD   9.48   ± 9.6 %   10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 1 5 MHz, 64-CAM)   LTE-TDD   9.48   ± 9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 1 5 MHz, 64-CAM)   LTE-TDD   9.48   ± 9.6 %   10241   CAA   LTE-TDD (SC-FDMA, 1 RB, 1 5 MHz, 64-CAM)   LTE-TDD   9.21   ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-CAM)   LTE-TDD   9.82   ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 69-CAM)   LTE-TDD   9.86   ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-CAM)   LTE-TDD   9.66   ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM)   LTE-TDD   9.66   ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM)   LTE-TDD   10.06   ± 9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-CAM)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-CAM)   LTE-TDD   10.06   ± 9.6 %   10246   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-CAM)   LTE-TDD   10.06   ± 9.6 %   10246   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-CAM)   LTE-TDD   10.09   ± 9.6 %   10246   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-CAM)   LTE-TDD   10.09   ± 9.6 %   10246   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-CAM)   LTE-TDD   10.09   ± 9.6 %   10246   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-CAM)   LTE-TDD   10.09   ± 9.6 %   10246   CAF   LTE-TDD (S				LTE-TDD	9.48	± 9.6 %
10233   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM)			LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10232   CAF   LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 6-OAM)		CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6%
10234   CAF	10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	
10234   CAF   LTE-TDD (SC-FDMA, 1RB, 5 MHz, GPSK)	10233	CAF			~~~	
10236   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   LTE-TDD   9.48   ± 9.8 %   10237   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QFSK)   LTE-TDD   10.25   ± 9.8 %   10238   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QFSK)   LTE-TDD   9.21   ± 9.6 %   10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QFSK)   LTE-TDD   9.21   ± 9.6 %   10239   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   LTE-TDD   10.25   ± 9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QFSK)   LTE-TDD   9.21   ± 9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9.21   ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9.22   ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QFSK)   LTE-TDD   9.86   ± 9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QFSK)   LTE-TDD   9.86   ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QFSK)   LTE-TDD   9.86   ± 9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QFSK)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QFSK)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QFSK)   LTE-TDD   10.06   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QFSK)   LTE-TDD   9.30   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QFSK)   LTE-TDD   9.30   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QFSK)   LTE-TDD   9.30   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QFSK)   LTE-TDD   9.90   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QFSK)   LTE-TDD   9.90   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QFSK)   LTE-TDD   9.90   ± 9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QFSK)   LTE-TDD   9.90   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QFSK)   LTE-TDD   9.90   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QFSK)   LTE-TDD   9.90   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QFSK)   LTE-TDD   9.90   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QFSK)			LTE-TDD (SC-FDMA 1 RB 5 MHz OPSK)			
10236   CAF   LTE-TDD   (SC-FDMA, 1 RB, 10 MHz, QPSK)   LTE-TDD   10.25   ±.9.6 %   10238   CAF   LTE-TDD   (SC-FDMA, 1 RB, 10 MHz, QPSK)   LTE-TDD   9.48   ±.9.6 %   10239   CAF   LTE-TDD   (SC-FDMA, 1 RB, 15 MHz, 16-OAM)   LTE-TDD   10.25   ±.9.6 %   10240   CAF   LTE-TDD   (SC-FDMA, 1 RB, 15 MHz, QPSK)   LTE-TDD   10.25   ±.9.6 %   10241   CAA   LTE-TDD   (SC-FDMA, 1 RB, 15 MHz, QPSK)   LTE-TDD   9.21   ±.9.6 %   10242   CAA   LTE-TDD   (SC-FDMA, 1 RB, 15 MHz, QPSK)   LTE-TDD   9.21   ±.9.6 %   10242   CAA   LTE-TDD   (SC-FDMA, 50% RB, 1.4 MHz, 64-OAM)   LTE-TDD   9.82   ±.9.6 %   10243   CAA   LTE-TDD   (SC-FDMA, 50% RB, 1.4 MHz, 64-OAM)   LTE-TDD   9.86   ±.9.6 %   10243   CAA   LTE-TDD   (SC-FDMA, 50% RB, 1.4 MHz, 64-OAM)   LTE-TDD   9.46   ±.9.6 %   10244   CAA   LTE-TDD   (SC-FDMA, 50% RB, 3 MHz, 64-OAM)   LTE-TDD   10.06   ±.9.6 %   10245   CAC   LTE-TDD   (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-TDD   10.06   ±.9.6 %   10245   CAC   LTE-TDD   (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-TDD   10.06   ±.9.6 %   10247   CAF   LTE-TDD   (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-TDD   10.06   ±.9.6 %   10249   CAF   LTE-TDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.00   ±.9.6 %   10249   CAF   LTE-TDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.90   ±.9.6 %   10249   CAF   LTE-TDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ±.9.6 %   10250   CAF   LTE-TDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ±.9.6 %   10250   CAF   LTE-TDD   (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ±.9.6 %   10250   CAF   LTE-TDD   (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-TDD   9.29   ±.9.6 %   10250   CAF   LTE-TDD   (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-TDD   9.20   ±.9.6 %   10250   CAF   LTE-TDD   (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-TDD   9.20   ±.9.6 %   10255   CAF   LTE-TDD   (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-TDD   9.20   ±.9.6 %   10250   CAF   LTE-TDD   SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-TDD   9.20   ±.9.6 %   10250   CAF   LTE-TDD   SC-FDMA, 100% RB, 10 MHz, QPSK)   LTE-TDD   9.20   ±.9.6 %   10250			LTE-TDD (SC-EDMA 1 RB 10 MHz 16-OAM)			
10237   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK)   LTE-TDD   9,21   ±9.6 %   10238   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-OAM)   LTE-TDD   9,28   ±9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK)   LTE-TDD   10,25   ±9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, GPSK)   LTE-TDD   9,21   ±9.6 %   10241   CAA   LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM)   LTE-TDD   9,22   ±9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM)   LTE-TDD   9,82   ±9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 14 MHz, GPSK)   LTE-TDD   9,86   ±9.6 %   10244   CAA   LTE-TDD (SC-FDMA, 50% RB, 14 MHz, GPSK)   LTE-TDD   9,46   ±9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-OAM)   LTE-TDD   9,46   ±9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, GPSK)   LTE-TDD   10,06   ±9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, GPSK)   LTE-TDD   10,06   ±9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10,06   ±9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10,06   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10,09   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10,09   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10,09   ±9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   10,09   ±9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, GPSK)   LTE-TDD   9,20   ±9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, GPSK)   LTE-TDD   9,21   ±9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, GPSK)   LTE-TDD   9,21   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, GPSK)   LTE-TDD   9,22   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, GPSK)   LTE-TDD   9,22   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, GPSK)   LTE-TDD   9,24   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, GPSK)   LTE-TDD   9,26   ±9.6 %   10256   CAF   LTE-TDD (SC-FDMA, 100% RB, 16 MHz, GPSK)   LTE-TDD   9,26   ±9.						
10238   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   LTE-TDD   9.48   ± 9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)   LTE-TDD   10.25   ± 9.6 %   10241   CAA   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)   LTE-TDD   9.21   ± 9.6 %   10241   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9.82   ± 9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ± 9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ± 9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   10.06   ± 9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 8.3 MHz, 16-QAM)   LTE-TDD   10.06   ± 9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06   ± 9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   10.06   ± 9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91   ± 9.6 %   10248   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.92   ± 9.6 %   10240   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.29   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 10-QAM)   LTE-TDD   9.29   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 10-QAM)   LTE-TDD   9.29   ± 9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 10-QAM)   LTE-TDD   9.29   ± 9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 10-QAM)   LTE-TDD   9.29   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 10-QAM)   LTE-TDD   10.17   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 64-QAM)   LTE-TDD   9.24   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 64-QAM)   LTE-TDD   9.00   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 64-QAM)   LTE-TDD   9.00   ± 9.6 %   10256   CAF   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM)   LTE-TDD   9.90   ± 9.6 %   10256						
10239   CAF						
10240   CAF   LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)   LTE-TDD   9,21   ±9.8 %   10241   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9,862   ±9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9,862   ±9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9,86   ±9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   10,06   ±9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 1.6 QAM)   LTE-TDD   10,06   ±9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10,06   ±9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10,06   ±9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,30   ±9.6 %   10248   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,30   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,91   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9,29   ±9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-TDD   9,29   ±9.6 %   10250   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, 64-QAM)   LTE-TDD   10,17   ±9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)   LTE-TDD   10,17   ±9.6 %   10253   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   10,17   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9,20   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9,20   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9,20   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM)   LTE-TDD   9,20   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM)   LTE-TDD   9,20   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)   LTE-TDD   9,20   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)   LTE-TDD   9,20   ±9.6 %   10256   CAA   LTE-TD						
10241   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9.82   ±9.6 %   10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ±9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, GPSK)   LTE-TDD   9.46   ±9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   LTE-TDD   10.06   ±9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06   ±9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   10.06   ±9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   9.30   ±9.6 %   10248   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   10.09   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   10.09   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   10.09   ±9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-TDD   9.29   ±9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-TDD   9.29   ±9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)   LTE-TDD   10.17   ±9.6 %   10253   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.24   ±9.6 %   10254   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.24   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.24   ±9.6 %   10256   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.24   ±9.6 %   10256   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.96   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM)   LTE-TDD   9.96   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM)   LTE-TDD   9.96   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM)   LTE-TDD   9.96   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 50 MHz, 64-QAM)   LTE-TDD   9.96   ±9.6 %   10266   CAC   LTE-TDD (SC-FDMA, 100% RB, 50 MHz, 64-QAM)   LTE-TDD   9.98   ±9.6 %   10266   CAC   LTE-TDD (SC-FDMA, 100% RB, 50 MHz, 64-QAM)   LTE-TDD   9.98   ±9.6 %   10266   CAF   LTE-TDD				LTE-TDD	10.25	
10241   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9.82   ±9.6 %   10243   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.86   ±9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   10.06   ±9.6 %   10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3.4 MHz, 16-QAM)   LTE-TDD   10.06   ±9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3.4 MHz, 64-QAM)   LTE-TDD   10.06   ±9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3.4 MHz, 64-QAM)   LTE-TDD   9.30   ±9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5.4 MHz, 16-QAM)   LTE-TDD   9.30   ±9.6 %   10248   CAF   LTE-TDD (SC-FDMA, 50% RB, 5.4 MHz, 16-QAM)   LTE-TDD   10.09   ±9.8 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5.4 MHz, 16-QAM)   LTE-TDD   10.09   ±9.8 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5.4 MHz, 16-QAM)   LTE-TDD   9.29   ±9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.29   ±9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.21   ±9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.21   ±9.6 %   10253   CAF   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)   LTE-TDD   10.17   ±9.6 %   10254   CAF   LTE-TDD (SC-FDMA, 50% RB, 1.5 MHz, 64-QAM)   LTE-TDD   9.20   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.20   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.20   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.20   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)   LTE-TDD   9.20   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.96   ±9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.96   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 50 MHz, 64-QAM)   LTE-TDD   9.96   ±9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100% RB, 50 MHz, 64-QAM)   LTE-TDD   9.98   ±9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100% RB, 50 MHz, 64-QAM)   LTE-TDD   9.98   ±9.6 %		CAF		LTE-TDD	9.21	±9.6%
10242   CAA   LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD		
10244	10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)			
10244   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   LTE-TDD   10.06   ± 9.6 %   10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QFSK)   LTE-TDD   10.06   ± 9.6 %   10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QFSK)   LTE-TDD   9.30   ± 9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-TDD   9.91   ± 9.6 %   10248   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-TDD   9.91   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.92   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.81   ± 9.6 %   10250   CAF   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, QPSK)   LTE-TDD   9.29   ± 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, 10 MHz, QPSK)   LTE-TDD   9.24   ± 9.6 %   10253   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.00   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.00   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.00   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)   LTE-TDD   9.20   ± 9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)   LTE-TDD   9.06   ± 9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK)   LTE-TDD   9.06   ± 9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   LTE-TDD   9.96   ± 9.6 %   10256   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.96   ± 9.6 %   10256   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.91   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.92   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.93   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.92   ± 9.6 %   10260   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.93   ± 9.6 %   10260   CAF   LTE-TDD (SC-FDMA, 100% R	10243	CAA				
10245   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   LTE-TDD   9.30   ± 9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-TDD   9.30   ± 9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-TDD   10.09   ± 9.6 %   10248   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-TDD   10.09   ± 9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ± 9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ± 9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-TDD   9.21   ± 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, 64-QAM)   LTE-TDD   10.17   ± 9.6 %   10253   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.90   ± 9.6 %   10253   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)   LTE-TDD   9.90   ± 9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   10.14   ± 9.6 %   10256   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   10.14   ± 9.6 %   10256   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.90   ± 9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   LTE-TDD   9.96   ± 9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK)   LTE-TDD   9.96   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK)   LTE-TDD   9.96   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK)   LTE-TDD   9.98   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   LTE-TDD   9.98   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   LTE-TDD   9.98   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   LTE-TDD   9.24   ± 9.6 %   10260   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.24   ± 9.6 %   10260   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.25   ± 9.6 %   10260   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.26   ± 9.6 %   10260   CAF   LTE-TDD (SC-FDMA						
10246   CAC   LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-TDD   9.30   ±9.6 %   10247   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   LTE-TDD   9.91   ±9.6 %   10248   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   LTE-TDD   9.91   ±9.6 %   10249   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ±9.6 %   10250   CAF   LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)   LTE-TDD   9.29   ±9.6 %   10251   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   LTE-TDD   9.81   ±9.6 %   10252   CAF   LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)   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, QPSK)   LTE-TDD   9.90   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.90   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.90   ±9.6 %   10255   CAF   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   10.14   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)   LTE-TDD   9.90   ±9.6 %   10256   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)   LTE-TDD   9.96   ±9.6 %   10257   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, G4-QAM)   LTE-TDD   9.96   ±9.6 %   10258   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.98   ±9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.99   ±9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.99   ±9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.99   ±9.6 %   10261   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GA-QAM)   LTE-TDD   9.99   ±9.6 %   10262   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM)   LTE-TDD   9.99   ±9.6 %   10263   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM)   LTE-TDD   9.24   ±9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM)   LTE-TDD   9.29   ±9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GA-QAM)   LTE-TDD   9.90   ±9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, G					·····	
10247   CAF				<del></del>		
10248		<del></del>				
10249   CAF		<del>}</del>				
10250   CAF		1			10.09	± 9.6 %
10251   CAF			LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6%
10251   CAF	10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10252   CAF	10251	CAF				
10253		CAF				
10254   CAF		<del>,</del>				
10255   CAF						
10256						
10257   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)   LTE-TDD   10.08   ± 9.6 %   10258   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   LTE-TDD   9.34   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   LTE-TDD   9.98   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QAM)   LTE-TDD   9.97   ± 9.6 %   10261   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   LTE-TDD   9.24   ± 9.6 %   10262   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.24   ± 9.6 %   10263   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.83   ± 9.6 %   10263   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   10.16   ± 9.6 %   10264   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.23   ± 9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)   LTE-TDD   9.92   ± 9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)   LTE-TDD   9.92   ± 9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)   LTE-TDD   9.92   ± 9.6 %   10268   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)   LTE-TDD   10.07   ± 9.6 %   10268   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   LTE-TDD   10.06   ± 9.6 %   10269   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM)   LTE-TDD   10.06   ± 9.6 %   10269   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM)   LTE-TDD   10.13   ± 9.6 %   10270   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   LTE-TDD   10.16   ± 9.6 %   10271   CAB   UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10)   WCDMA   3.96   ± 9.6 %   10272   CAA   PHS (QPSK)   Subtest 5, 3GPP Rei8.10)   WCDMA   3.96   ± 9.6 %   10273   CAA   PHS (QPSK)   BW 884MHz, Rolloff 0.5)   PHS   11.81   ± 9.6 %   10293   AAB   CDMA2000, RC3, SO32, Full Rate   CDMA2000   3.39   ± 9.6 %   10294   AAB   CDMA2000, RC3, SO32, Full Rate   CDMA2000   3.46   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO32, Full Rate   CDMA2000   3.50   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO32, Full Rate   CDMA2000   3.50   ± 9.6 %   10298   AAD   LTE-FDD (SC-FDMA, 50% RB, 30 MHz, QPSK)   LTE-FDD		<del>)</del>				
10258   CAA   LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   LTE-TDD   9.34   ± 9.6 %   10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   LTE-TDD   9.98   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   LTE-TDD   9.97   ± 9.6 %   10261   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   LTE-TDD   9.24   ± 9.6 %   10262   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   LTE-TDD   9.83   ± 9.6 %   10263   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   LTE-TDD   10.16   ± 9.6 %   10264   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   LTE-TDD   10.16   ± 9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.23   ± 9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)   LTE-TDD   9.23   ± 9.6 %   10266   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)   LTE-TDD   9.92   ± 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, QPSK)   LTE-TDD   9.30   ± 9.6 %   10268   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   LTE-TDD   10.06   ± 9.6 %   10269   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   LTE-TDD   10.13   ± 9.6 %   10270   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)   LTE-TDD   10.13   ± 9.6 %   10271   CAB   UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)   WCDMA   4.87   ± 9.6 %   10272   CAA   PHS (QPSK)   LSPAN   CAA   PHS (QPSK)   PHS   11.81   ± 9.6 %   10273   CAA   PHS (QPSK)   RSM4MHz, Rolloff 0.5)   PHS   11.81   ± 9.6 %   10273   CAA   PHS (QPSK)   RSM4MHz, Rolloff 0.5)   PHS   11.81   ± 9.6 %   10290   AAB   CDMA2000, RC3, SO35, Full Rate   CDMA2000   3.91   ± 9.6 %   10291   AAB   CDMA2000, RC3, SO35, Full Rate   CDMA2000   3.50   ± 9.6 %   10292   AAB   CDMA2000, RC3, SO35, Full Rate   CDMA2000   3.50   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO35, Full Rate   CDMA2000   12.49   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO35, Full Rate   CDMA2000   12.49   ± 9.6 %   10298   AAD   LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-FDD   5.71   ± 9.6 %   1						
10259   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   LTE-TDD   9.98   ± 9.6 %   10260   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   LTE-TDD   9.97   ± 9.6 %   10261   CAC   LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)   LTE-TDD   9.24   ± 9.6 %   10262   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   LTE-TDD   9.83   ± 9.6 %   10263   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   LTE-TDD   10.16   ± 9.6 %   10264   CAF   LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)   LTE-TDD   9.23   ± 9.6 %   10265   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)   LTE-TDD   9.23   ± 9.6 %   10266   CAF   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, 0.78K)   LTE-TDD   9.92   ± 9.6 %   10267   CAF   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 0.78K)   LTE-TDD   9.30   ± 9.6 %   10268   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0.78K)   LTE-TDD   10.06   ± 9.6 %   10268   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0.78K)   LTE-TDD   10.13   ± 9.6 %   10270   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0.78K)   LTE-TDD   10.13   ± 9.6 %   10271   CAF   LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0.78K)   LTE-TDD   9.58   ± 9.6 %   10272   CAB   UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)   WCDMA   4.87   ± 9.6 %   10273   CAA   PHS (QPSK)   Subtest 5, 3GPP Rel8.10)   WCDMA   4.87   ± 9.6 %   10273   CAA   PHS (QPSK, BW 884MHz, Rolloff 0.5)   PHS   11.81   ± 9.6 %   10293   AAB   CDMA2000, RC3, SO55, Full Rate   CDMA2000   3.91   ± 9.6 %   10292   AAB   CDMA2000, RC3, SO55, Full Rate   CDMA2000   3.46   ± 9.6 %   10292   AAB   CDMA2000, RC3, SO32, Full Rate   CDMA2000   3.50   ± 9.6 %   10293   AAB   CDMA2000, RC3, SO3, Full Rate   CDMA2000   3.50   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO3, Full Rate   CDMA2000   3.50   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO3, Full Rate   CDMA2000   12.49   ± 9.6 %   10295   AAB   CDMA2000, RC3, SO3, Full Rate   CDMA2000   12.49   ± 9.6 %   10298   AAD   LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)   LTE-FDD   5.72   ± 9.6 %   10298   AA		<del>)</del>				
10260         CAC         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)         LTE-TDD         9.97         ± 9.6 %           10261         CAC         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         LTE-TDD         9.24         ± 9.6 %           10262         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)         LTE-TDD         9.83         ± 9.6 %           10263         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)         LTE-TDD         10.16         ± 9.6 %           10264         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.23         ± 9.6 %           10265         CAF         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK)         LTE-TDD         9.23         ± 9.6 %           10266         CAF         LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK)         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, GPSK)         LTE-TDD         10.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         LTE-TDD         10.13         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 500% RB, 15 MHz, QPSK) <td></td> <td>1</td> <td></td> <td>LTE-TDD</td> <td>9.34</td> <td>± 9.6 %</td>		1		LTE-TDD	9.34	± 9.6 %
10261         CAC         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         LTE-TDD         9.24         ± 9.6 %           10262         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)         LTE-TDD         9.83         ± 9.6 %           10263         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)         LTE-TDD         10.16         ± 9.6 %           10264         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.23         ± 9.6 %           10265         CAF         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, 15 MHz, QPSK)         LTE-TDD         10.07         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM)         LTE-TDD         10.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM)         LTE-TDD         10.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM)         LTE-TDD         10.06         ± 9.6 %           10271         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G	10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10261         CAC         LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         LTE-TDD         9.24         ± 9.6 %           10262         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)         LTE-TDD         9.83         ± 9.6 %           10263         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)         LTE-TDD         10.16         ± 9.6 %           10264         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.23         ± 9.6 %           10265         CAF         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, 15 MHz, QPSK)         LTE-TDD         10.07         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM)         LTE-TDD         10.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM)         LTE-TDD         10.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G-QAM)         LTE-TDD         10.06         ± 9.6 %           10271         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G	10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10262         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QÁM)         LTE-TDD         9.83         ± 9.6 %           10263         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)         LTE-TDD         10.16         ± 9.6 %           10264         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.23         ± 9.6 %           10265         CAF         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         10.07         ± 9.6 %           10268         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK)         LTE-TDD         10.06         ± 9.6 %           10269         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         LTE-TDD         10.06         ± 9.6 %           10270         CAF         LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK)         LTE-TDD         10.13         ± 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	10261	CAC			······	
10263         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)         LTE-TDD         10.16         ± 9.6 %           10264         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.23         ± 9.6 %           10265         CAF         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         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         10.13         ± 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 Rel8.10)         WCDMA         3.96         ± 9.6 %           10277         CAA         PHS (QPSK)         BW 884MHz,						
10264         CAF         LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)         LTE-TDD         9.23         ± 9.6 %           10265         CAF         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         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         10.13         ± 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 %           10278         CAA         PHS (QPSK)         PHS         11.81         ± 9.6 %           10279         CAA         PHS (QPSK, BW 884MHz, Rolloff 0.38)         PHS	<b>}</b>	1				$\overline{}$
10265         CAF         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         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 %           10290         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91		1				
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         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 %           10291         AAB         CDMA2000, RC1, SO55, Full Rate         CDMA2000         3.91         <						
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         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, SO32, Full Rate         CDMA2000         3.50         ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, SO32, Full Rate         CDMA2000         3.39         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 % </td <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td>		•				
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, SO35, Full Rate         CDMA2000         3.39         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 9.6 %           10293         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 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 %           10292         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 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 %		<del></del>			10.06	±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, SO35, Full Rate         CDMA2000         3.46         ± 9.6 %           10292         AAB         CDMA2000, RC3, SO3, Full Rate         CDMA2000         3.50         ± 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 %				LTE-TDD	10.13	±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 %           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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %		CAF				
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 %           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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 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 %           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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 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 %           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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %		<del>)</del>		***		
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 %         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       AAD       LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)       LTE-FDD       5.81       ± 9.6 %         10298       AAD       LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)       LTE-FDD       5.72       ± 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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %		1				
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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %						± 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         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %			CDMA2000, RC3, SO32, Full Rate		3.39	±9.6%
10295         AAB         CDMA2000, RC1, SO3, 1/8th Rate 25 fr.         CDMA2000         12.49         ± 9.6 %           10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %	10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000		
10297         AAD         LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)         LTE-FDD         5.81         ± 9.6 %           10298         AAD         LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)         LTE-FDD         5.72         ± 9.6 %		+				
10298 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 9.6 %					***************************************	
10200   FARD   ETETI DD (00"1 DIWA, 30% RD, 3 WITZ, 10"QAWI)   LTE-PDD   0.39   ±9.0 %						
	10233	ואאט	TETE TOO (OOT DIVING OO /O RO, O WILLE, TO-WAW)	L L-  UU	0.38	<u> </u>

10200	A A D	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10300 10301	AAD AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL	WIMAX	12.57	± 9.6 %
10302	AAA	symbols)	. ********	12.01	20.0 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10303	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, 15	WIMAX	15.24	± 9.6 %
10000	7001	symbols)	***************************************		
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WiMAX	14.67	± 9.6 %
10000	7001	symbols)	.,		
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WiMAX	14.49	±9.6%
		symbols)			
10308	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, 18	WiMAX	14.58	±9.6%
		symbols)			
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WiMAX	14.57	± 9.6 %
		symbols)			
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 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	AAC	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	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60 8.53	± 9.6 % ± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN CDMA2000	3.76	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.77	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A) CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10406	AAB AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10410	AAF	Subframe=2,3,4,7,8,9, Subframe Conf=4)		7.02	0.0 /0
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	±9.6 %
10414	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10416	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
10710	,,,,,,	Long preambule)	1		
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
		Short preambule)			
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	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	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	LTE-TDD	7.82	± 9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)	LTEEDO	7.50	1000
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD LTE-FDD	7.56 7.53	± 9.6 %
				/ ~ -	1 + U 15 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)			
	AAD AAC AAC	LTE-FDD (OFDMA, 10 MHz, E-1M 3.1, Clippin 44%)  LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)  LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51 7.48	± 9.6 % ± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.50	1060/
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	7.59 8.63	± 9.6 % ± 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	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
		Subframe=2,3,4,7,8,9)			
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
40404	4.4.0	Subframe=2,3,4,7,8,9)			
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10465	AAB	Subframe=2,3,4,7,8,9)	ATE TOO	0.00	
10400	AAB	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	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10400	7010	Subframe=2,3,4,7,8,9)	LICIDD	0.37	19.0 %
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
,		Subframe=2,3,4,7,8,9)		1.02	2 0,0 70
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.0	
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10.170	= -	Subframe=2,3,4,7,8,9)		······································	
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10473	AAE	Subframe=2,3,4,7,8,9)	LTC TDD	7 00	1.000
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10474	77L	Subframe=2,3,4,7,8,9)	L:E-100	0.32	I 9.0 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
	7012	Subframe=2,3,4,7,8,9)		0.01	2 0.0 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
		Subframe=2,3,4,7,8,9)		***************************************	
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	±9.6%
10100		Subframe=2,3,4,7,8,9)			
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.18	± 9.6 %
40404	0.00	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL	1.75 700	0.45	
10481	AAA	Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL	LTE-TDD	7.71	± 9.6 %
10402	770	Subframe=2,3,4,7,8,9)	LIC-IDD	1,11	1 9.0 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.39	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.00	_ 5.0 /0
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.47	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL	LTE-TDD	7.59	±9.6 %
		Subframe=2,3,4,7,8,9)			
					±9.6%
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.38	
10486		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)			
	AAE AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.38 8.60	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10486		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL			
10486 10487 10488	AAE AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60 7.70	±9.6 % ±9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.60	± 9.6 %
10486 10487 10488 10489	AAE AAE AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD  LTE-TDD	8.60 7.70 8.31	± 9.6 % ± 9.6 % ± 9.6 %
10486 10487 10488	AAE AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.60 7.70	±9.6 % ±9.6 %
10486 10487 10488 10489	AAE AAE AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD  LTE-TDD	8.60 7.70 8.31	± 9.6 % ± 9.6 % ± 9.6 %

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10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10495	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.37	± 9.6 %
10495	AAF	Subframe=2,3,4,7,8,9)		0.07	0.0 /0
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
10498	AAA	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.40	± 9.6 %
10400	/ * * * *	Subframe=2,3,4,7,8,9)			
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	± 9.6 %
10500		Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LIE-IDD	7.67	I 9.0 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	±9.6%
		Subframe=2,3,4,7,8,9)			
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.52	± 9.6 %
10503	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL	LTE-TDD	7.72	± 9.6 %
10303	~~E	Subframe=2,3,4,7,8,9)		1.72	2.0.0 /0
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.31	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.54	. 0 0 0/
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.54	± 9.6 %
10506	AAE	Subframe=2,3,4,7,8,9)   LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10000	/ " " _	Subframe=2,3,4,7,8,9)			
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
10500		Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	FIE-IDD	0.00	19.0 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL	LTE-TDD	7.99	± 9.6 %
		Subframe=2,3,4,7,8,9)		1	
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.49	±9.6%
10511	AAE	Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.51	± 9.6 %
10011	^^_	Subframe=2,3,4,7,8,9)			
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
40540		Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LIE-IDD	0.42	± 9,0 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.45	± 9.6 %
		Subframe=2,3,4,7,8,9)			
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN WLAN	1.57 1.58	±9.6 % ±9.6 %
10517 10518	AAA AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6%
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522 10523	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN WLAN	8.45 8.08	± 9.6 % ± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN WLAN	8.21 8.36	± 9.6 % ± 9.6 %
10528 10529	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	± 9.6 %

10535	I A A D	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	140 451	0.45	1000
10536	AAB		WLAN	8.45	± 9.6 %
10537		IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6%
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6%
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6%
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6%
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6%
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6%
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	±9.6%
		cycle)			
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 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
10576	AAA	cycle)   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty   cycle)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
10581	AAA	cycle)   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
10582	AAA	cycle)   IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
10583	AAB	cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Wibps, 90pc duty cycle)	WLAN	8.60	±9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Wbps, 90pc duty cycle)	WLAN	8.70	±9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN		± 9.6 %
10001	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TILLE OUZ. FTAIT VVIETO GETZ (OFDIVI, 24 MIDDS, SUPE GULY CYCIE)	1 AA PWIN	8.36	1 + 3.0 70

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10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
3			WLAN		
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)		8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6%
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 30pc duty cycle)	WLAN	8.57	±9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6%
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6%
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
		IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	
10625	AAB				±9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6 %
10638	AAC	IEEE 802.11ac WIFI (160MHz, MCS2, 90pc duty cycle)	WLAN		±9.6 %
				8.85	
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6%
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAD	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 %
1000	1,2,5	1 1 (01 bits ( 10 tits 12) 1 tit 011) 011pping 70)		0.00	0.0 /0

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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 %

<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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Client

**PC Test** 

Certificate No: EX3-7547 Jul19

## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7547

Calibration procedure(s)

QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7
Calibration procedure for dosimetric E-field probes

BN1 / 07/31/2019

Calibration date:

July 15, 2019

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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Арг-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Calibrated by:

Claudio Leubler

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: July 16, 2019

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

#### Calibration Laboratory of

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Swiss Calibration Service

Accreditation No.: SCS 0108

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Glossary:

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

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

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

Polarization φ

φ rotation around probe axis

Polarization 8

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) 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 handheld 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"

#### 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 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).

EX3DV4 - SN:7547

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7547

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.59	0.63	0.61	± 10.1 %
DCP (mV) <sup>B</sup>	98.4	100.8	101.2	

Calibration Results for Modulation Response

UID	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	157.4	± 3.0 %	±4.7 %
		Υ	0.00	0.00	1.00		159.4	1	
		Z	0.00	0.00	1.00		160.6		
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	88.58	20.42	10.00	60.0	± 3.5 %	± 9.6 %
AAA		Υ	15.00	89.45	20.46		60.0		
		Z	15.00	88.70	20.44		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	89.81	19.82	6.99	80.0	± 2.1 %	± 9.6 %
AAA		Υ	15.00	91.92	20.74		80.0		
		Z	15.00	90.32	20.04		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	91.03	18.86	3.98	95.0	± 0.9 %	± 9.6 %
AAA		Υ	15.00	96.09	21.49		95.0		
		Z	15.00	91.99	19.30	]	95.0		
10355-	Pulse Waveform (200Hz, 60%)	Х	15.00	90.53	17.16	2.22	120.0	± 1.0 %	± 9.6 %
AAA		Y	15.00	100.76	22.40		120.0		
		Z	15.00	92.09	17.89		120.0		
10387-	QPSK Waveform, 1 MHz	Х	0.62	60.63	7.84	0.00	150.0	± 2.7 %	± 9.6 %
AAA		Υ	0.55	60.00	7.54	]	150.0		
		Z	0.56	60.00	7.41		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.12	67.29	15.12	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Υ	2.04	66.92	15.14		150.0		
		Z	1.95	66.11	14.57		150.0		
10396-	64-QAM Waveform, 100 kHz	X	2.72	68.69	17.94	3.01	150.0	± 1.0 %	± 9.6 %
AAA		Υ	2.50	67.90	17.50		150.0		
		Z	2.48	67.31	17.30		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.48	66.97	15.58	0.00	150.0	± 2.1 %	± 9.6 %
AAA	***	Y	3.38	66.64	15.46		150.0		
		Z	3.31	66.20	15.19		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.69	65.04	15.19	0.00	150.0	± 4.2 %	± 9.6 %
AAA		Υ	4.71	65.39	15.34		150.0		
		Z	4.69	65.12	15.20		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.

EX3DV4- SN:7547 July 15, 2019

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7547

#### **Sensor Model Parameters**

	C1	C2	α	T1	T2	T3	T4	T5	T6
	fF	fF	V <sup>-1</sup>	ms.V⁻²	ms.V⁻¹	ms	V <sup>-2</sup>	V-1	
X	44.2	336.23	36.63	14.57	0.38	5.10	0.00	0.49	1.01
Y	39.2	289.50	34.84	14.48	0.00	5.10	0.68	0.28	1.01
Z	42.3	319.56	36.16	13.50	0.33	5.10	0.00	0.44	1.01

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	-29.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	. 337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

### DASY/EASY - Parameters of Probe: EX3DV4 - SN:7547

#### 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	10.00	10.00	10.00	0.60	0.80	± 12.0 %
835	41.5	0.90	9.59	9.59	9.59	0.60	0.81	± 12.0 %
1750	40.1	1.37	8.25	8.25	8.25	0.31	0.86	± 12.0 %
1900	40.0	1.40	7.85	7.85	7.85	0.37	0.86	± 12.0 %
2300	39.5	1.67	7.57	7.57	7 <i>.</i> 57	0.31	0.93	± 12.0 %
2450	39.2	1.80	7.17	7.17	7.17	0.36	0.93	± 12.0 %
2600	39.0	1.96	6.99	6.99	6.99	0.39	0.93	± 12.0 %

 $<sup>^{\</sup>rm C}$  Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  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  $\pm$  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 ConyF uncertainty for indicated target tissue parameters.

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.

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7547

#### 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	9.81	9.81	9.81	0.49	0.80	± 12.0 %		
835	55.2	0.97	9.57	9.57	9.57	0.47	0.80	± 12.0 %		
1750	53.4	1.49	7.81	7.81	7.81	0.46	0.86	± 12.0 %		
1900	53.3	1.52	7.53	7.53	7.53	0.34	0.86	± 12.0 %		
2300	52.9	1.81	7.47	7.47	7.47	0.36	0.93	± 12.0 %		
2450	52.7	1.95	7.30	7.30	7.30	0.34	0.93	± 12.0 %		
2600	52.5	2.16	7.18	7.18	7.18	0.30	0.93	± 12.0 %		

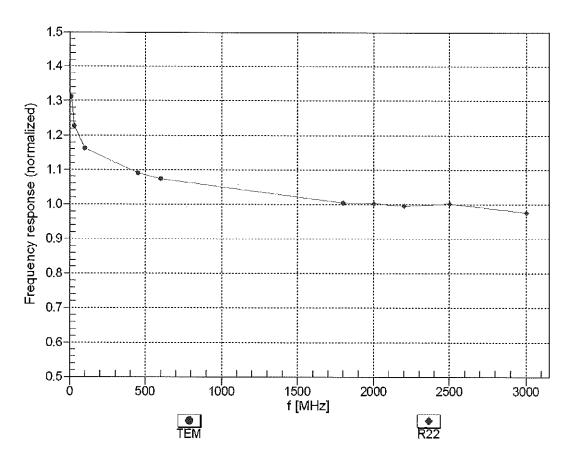
<sup>&</sup>lt;sup>c</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency 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.

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.

the ConvF uncertainty for indicated target tissue parameters.

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)

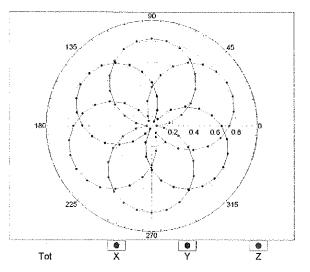


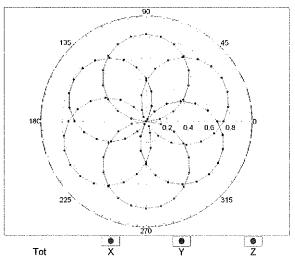
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

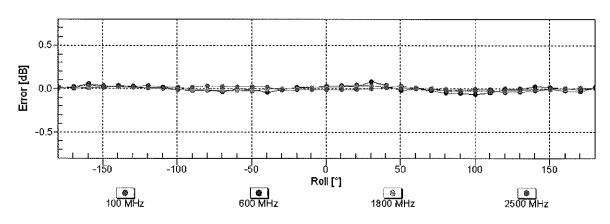
# Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

f=600 MHz,TEM

f=1800 MHz,R22

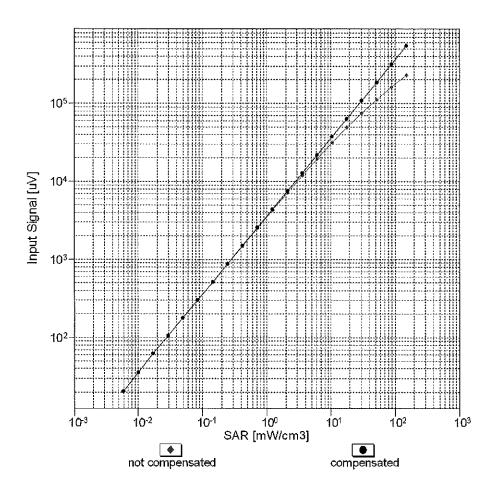


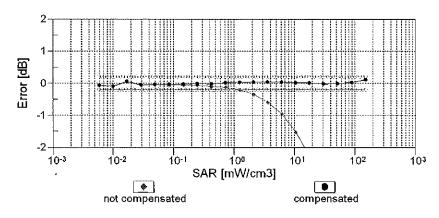




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

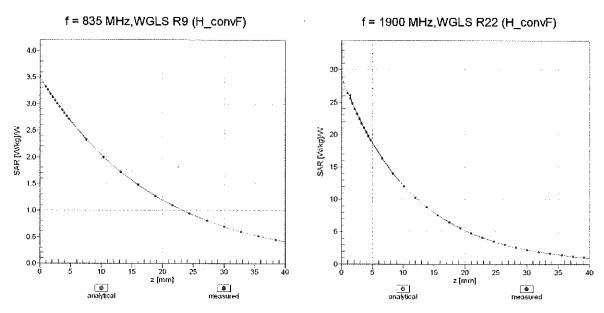
# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)



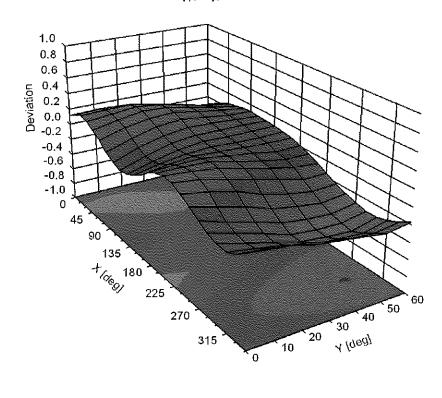


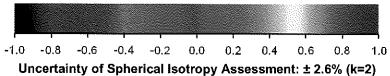
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

## **Conversion Factor Assessment**



## Deviation from Isotropy in Liquid Error ( $\phi$ , $\vartheta$ ), f = 900 MHz





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## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR	Unc <sup>±</sup>
				(dB)	(k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	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 10027	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2) GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM GSM	4.80	± 9.6 %
10028	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	3.55	±96%
10029	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	7.78 5.30	± 9.6 % ± 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 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6 %
10036	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	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	10.56	± 9.6 % ± 9.6 %
10071 10072	CAB CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Wibps)	WLAN WLAN	9,83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62 9.94	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 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	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
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 %
		LITE TOD (CC CDMA 4000/ DB 20 MI - C4 CAM)	LITE TOD	10.01	± 9.6 %
10105 10108	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)  LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD LTE-FDD	10.01	I 9.0 70

40400	1010		T		
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	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	
					±9.6 %
10119	CAC	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				
	<del></del>	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	CAE	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	
			<del></del>		± 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	5.72	
10182	CAE				± 9.6 %
		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	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)			
			WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
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