DASY5 Validation Report for Head TSL

Date: 11.09.2017

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 797

Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 1.86 S/m; ϵ_r = 37.8; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(8.12, 8.12, 8.12); Calibrated: 31.05.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 28.03.2017
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

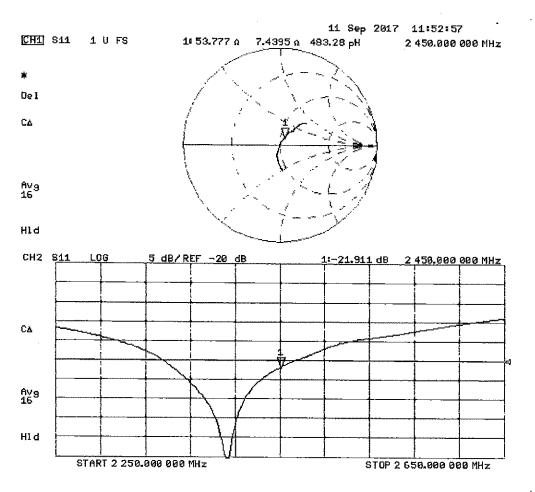
Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 113.5 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 26.9 W/kg SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.28 W/kg Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg = 13.34 dBW/kg

Impedance Measurement Plot for Head TSL



<u>,</u>%

. . .____

DASY5 Validation Report for Body TSL

Date: 11.09.2017

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 797

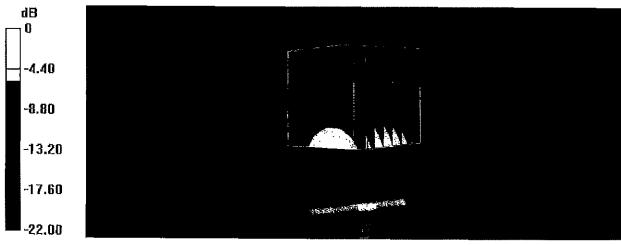
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 2.04 S/m; ϵ_r = 51.9; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(8.1, 8.1, 8.1); Calibrated: 31.05.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 28.03.2017
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

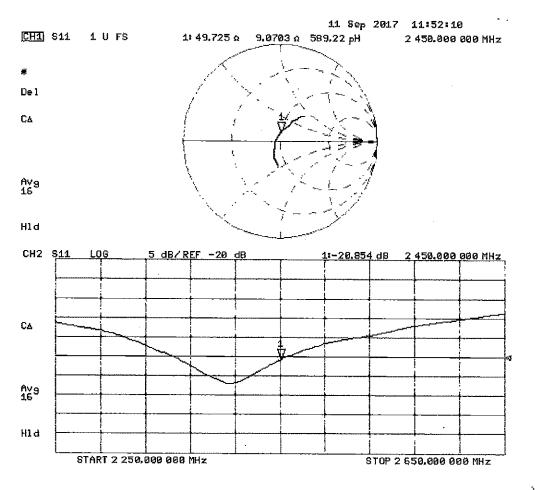
Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 105.4 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 25.6 W/kg SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.14 W/kg Maximum value of SAR (measured) = 20.3 W/kg



 $0 \, dB = 20.3 \, W/kg = 13.07 \, dBW/kg$

Impedance Measurement Plot for Body TSL



,ħ

PCTEST ENGINEERING LABORATORY, INC.

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



Certification of Calibration

Object

D2450V2 - SN: 797

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

Extended Calibration date: September 11, 2018

Description:

PCTEST

-

SAR Validation Dipole at 2450 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Control Company	4040	Therm./Clock/Humidity Monitor	3/31/2017	Biennial	3/31/2019	170232394
Control Company	4352	Ultra Long Stem Thermometer	5/2/2017	Biennial	5/2/2019	170330156
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	433971
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Keysight	7720	Dual Directional Coupler	CBT	N/A	CBT	MY52180215
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	6/4/2018	Annuai	6/4/2019	MY53401181
Agilent	8753ES	S-Parameter Vector Network Analyzer	8/30/2018	Annual	8/30/2019	MY40003841
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
SPEAG	DAK-3.5	Dielectric Assessment Kit	5/15/2018	Annual	5/15/2019	1070
SPEAG	EX3DV4	SAR Probe	7/20/2018	Agnual	7/20/2019	7410
SPEAG	DAE4	Dasy Data Acquisition Electronics	7/11/2018	Annual	7/11/2019	1322
SPEAG	ES3DV3	SAR Probe	3/13/2018	Annual	3/13/2019	3319
SPEAG	DAE4	Dasy Data Acquisition Electronics	3/7/2018	Annual	3/7/2019	1368
Anritsu	MA2411B	Puise Power Sensor	3/2/2018	Ansual	3/2/2019	1207364
Anritsu	MA2411B	Puise Power Sensor	3/2/2018	Annual	3/2/2019	1339018
Anritsu	ML2495A	Power Meter	10/22/2017	Annual	10/22/2018	1328004
Aglient	N5182A	MXG Vector Signal Generator	4/18/2018	Annual	4/18/2019	MY47420800
Seekonk	NC-100	Torque Wrench	7/11/2018	Annual	7/11/2019	N/A
MiniCircuits	VLF-6000+	Low Pass Filter	CBT	N/A	CBT	N/A
Narda	4014C-6	4 - 8 GHz SMA 6 dB Directional Coupler	CBT	N/A	СВТ	N/A

Note: CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path.

Measurement Uncertainty = $\pm 23\%$ (k=2)

	Name	Function	Signature
Calibrated By:	Brodie Halbfoster	Team Lead Engineer	BRODIE HALBFOSTER
Approved By:	Kaitlin O'Keefe	Senior Technical Manager	3KOK-

Object:	Date Issued:	Page 1 of 4
D2450V2 - SN: 797	09/11/2018	

DIPOLE CALIBRATION EXTENSION

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

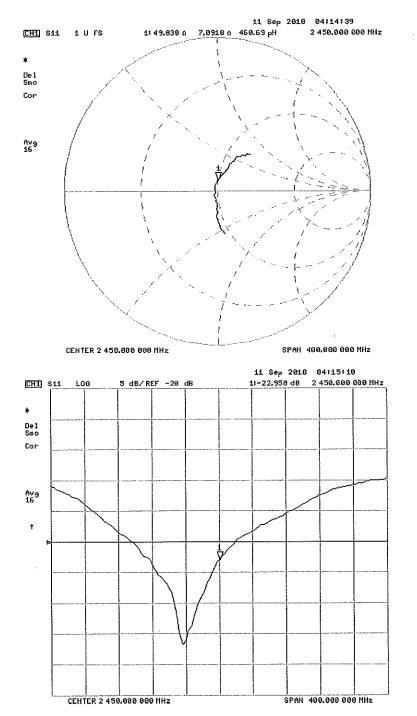
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)			Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary	Impedance	Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
9/11/2017	9/11/2018	1.152	5.27	5.52	4.74%	2.48	2.54	2.42%	53.8	49.8	4	7.4	7.1	0.3	-21.9	-23	-4.80%	PASS

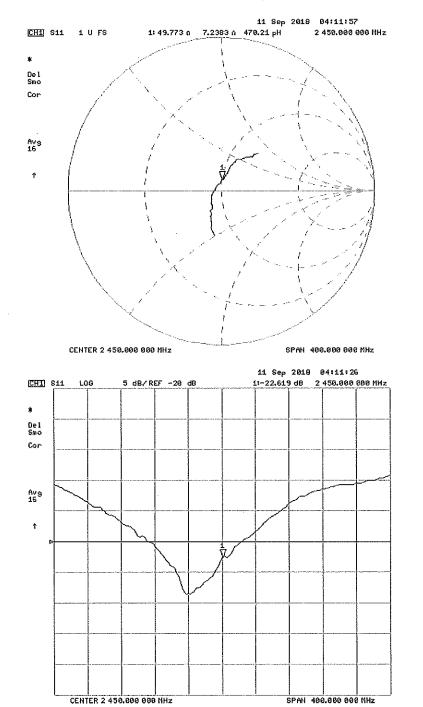
Calibration Date	Extension Date		Certificate SAR Target Body (1g) W/kg @ 20.0 dBm			Certificate SAR Target Body (10g) W/kg @ 20.0 dBm	(10a) W/ka @	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real	Measured Impedance Body (Ohm) Real		Certificate Impedance Body (Ohm) Imaginary		Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
9/11/2017	9/11/2018	1.152	5.11	5.17	1.17%	2.42	2.37	-2.07%	49.7	49.8	0.1	9.1	7.2	1.9	-20.9	-22.6	-8.20%	PASS

Object:	Date Issued:	Dogo 2 of 4
D2450V2 – SN: 797	09/11/2018	Page 2 of 4



Impedance & Return-Loss Measurement Plot for Head TSL

Object:	Date Issued:	Page 3 of 4
D2450V2 SN: 797	09/11/2018	Page 3 of 4



Impedance & Return-Loss Measurement Plot for Body TSL

Object:	Date Issued:	Page 4 of 4
D2450V2 - SN: 797	09/11/2018	

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

PC Test

Client



Schweizerischer Kalibrierdienst

Service suisse d'étalonnage

С Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Certificate No: D2450V2-981_Aug18

S

CALIBRATION CERTIFICATE

Object	D2450V2 - SN:98	31	
Calibration procedure(s)	QA CAL-05.v10 Calibration proce	dure for dipole validation kits abov	e 700 MHz
			BNV 19-26/2018
			09-06/2018
Calibration date:	August 16, 2018		
This calibration partificate document			
The measurements and the uncert	nts the traceability to national initial with confidence pro-	onal standards, which realize the physical units	of measurements (SI).
	annies with contidence pr	robability are given on the following pages and	are part of the certificate.
All calibrations have been conducte	ed in the closed laborator	y facility: environment temperature (22 \pm 3)°C a	
	su in the closed laborator	y facility: environment temperature (22 \pm 3)°C a	and humidity < 70%.
Calibration Equipment used (M&TE	critical for calibration)		
	·····		
Primary Standards	ID #	Cal Date (Certificate No.)	Schodulad California
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Scheduled Calibration
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 Apr-19
Reference 20 dB Attenuator	SN: 5058 (20k)	04-Apr-18 (No. 217-02682)	
Type-N mismatch combination	SN: 5047.2 / 06327	04-Apr-18 (No. 217-02683)	Apr-19
Reference Probe EX3DV4	SN: 7349	30-Dec-17 (No. EX3-7349_Dec17)	Apr-19
DAE4	SN: 601	26-Oct-17 (No. DAE4-601_Oct17)	Dec-18
			Oct-18
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter EPM-442A	SN: GB37480704	07-Oct-15 (in house check Oct-16)	In house check: Oct-18
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-16)	In house check: Oct-18
Power sensor HP 8481A	SN: MY41092317	07-Oct-15 (in house check Oct-16)	In house check: Oct-18
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-16)	In house check: Oct-18
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Oct-18
Celibrated buy	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	C.D. 49/h
			and with
Approved by:	Katja Pokovic		
, · ·,-	- angle i ONOVIG	Technical Manager	
	· · · ·	and the second	
			Issued: August 23, 2018

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

Certificate No: D2450V2-981_Aug18

Calibration Laboratory of

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





Schweizerischer Kalibrierdienst

S Service suisse d'étalonnage С

Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossarv:

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY5	
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5.0 mm	
Frequency	2450 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	 37.7 ± 6 %	1.86 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.4 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	52.3 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.4 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.7	1.95 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.8 ± 6 %	2.02 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	13.0 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	50.9 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.11 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	24.2 W/kg ± 16.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	55.0 Ω + 2.3 jΩ
Return Loss	- 25.6 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	50.2 Ω + 4.7 jΩ
Return Loss	- 26.6 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.162 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
Manufactured on	December 30, 2014

Appendix (Additional assessments outside the scope of SCS 0108)

Measurement Conditions

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

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

SAR result with SAM Head (Top)

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.6 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.0 W/kg ± 17.5 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.33 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.2 W/kg ± 16.9 % (k=2)

SAR result with SAM Head (Mouth)

Ē

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.6 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.0 W/kg ± 17.5 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.35 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.3 W/kg ± 16.9 % (k=2)

SAR result with SAM Head (Neck)

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	12.9 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	51.2 W/kg ± 17.5 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.11 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.4 W/kg ± 16.9 % (k=2)

SAR result with SAM Head (Ear)

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	8.74 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	34.7 W/kg ± 17.5 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	4.40 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	17.5 W/kg ± 16.9 % (k=2)

DASY5 Validation Report for Head TSL

Date: 13.08.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:981

Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 1.86 S/m; ϵ_r = 37.7; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

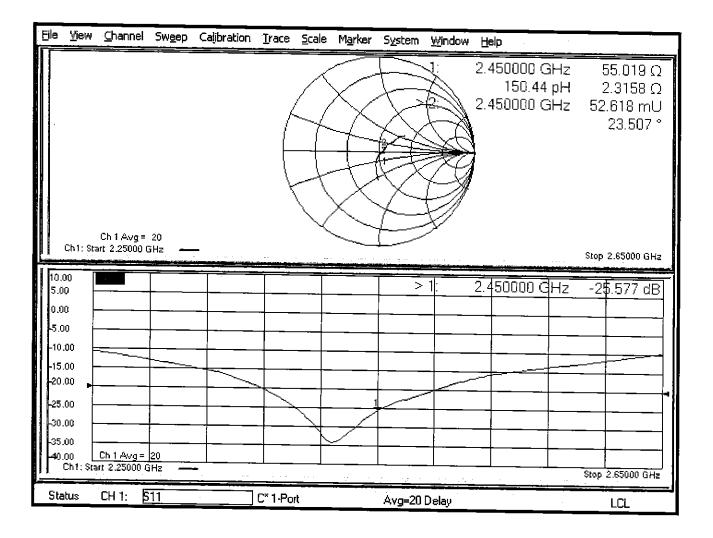
- Probe: EX3DV4 SN7349; ConvF(7.88, 7.88, 7.88) @ 2450 MHz; Calibrated: 30.12.2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 116.6 V/m; Power Drift = -0.03 dBPeak SAR (extrapolated) = 26.7 W/kg SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.2 W/kg Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg



DASY5 Validation Report for Body TSL

Date: 13.08.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:981

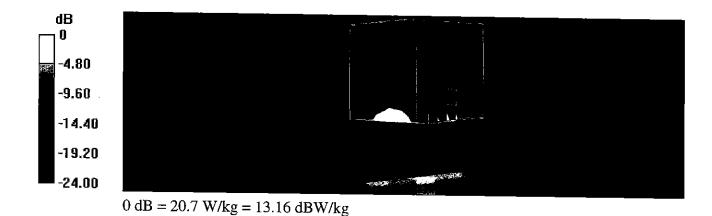
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 2.02 S/m; ϵ_r = 51.8; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

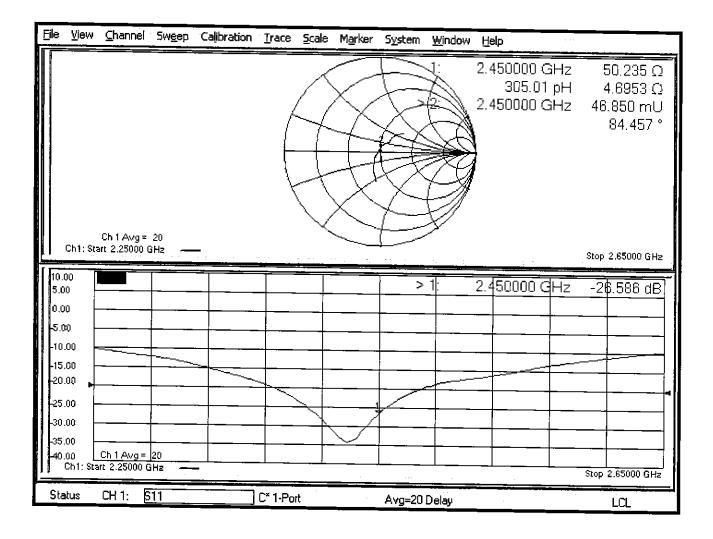
- Probe: EX3DV4 SN7349; ConvF(8.01, 8.01, 8.01) @ 2450 MHz; Calibrated: 30.12.2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 107.0 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 25.3 W/kg SAR(1 g) = 13 W/kg; SAR(10 g) = 6.11 W/kg Maximum value of SAR (measured) = 20.7 W/kg



Impedance Measurement Plot for Body TSL



Date: 16.08.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:981

Communication System: UID 0 - CW ; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 1.85 S/m; ϵ_r = 40.2; ρ = 1000 kg/m³ Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

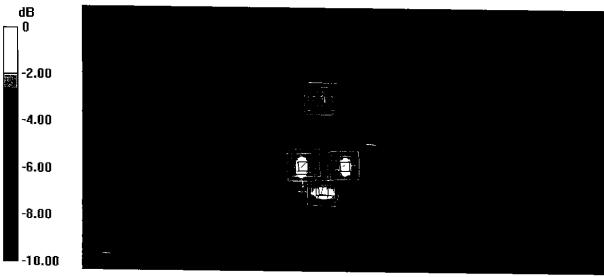
- Probe: EX3DV4 SN7349; ConvF(7.88, 7.88, 7.88) @ 2450 MHz; Calibrated: 30.12.2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: SAM Head
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

SAM Head Top/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 116.2 V/m; Power Drift = 0.00 dB Peak SAR (extrapolated) = 26.4 W/kg SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.33 W/kg Maximum value of SAR (measured) = 22.0 W/kg

SAM Head Mouth/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 116.9 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 26.3 W/kg SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.35 W/kg Maximum value of SAR (measured) = 21.7 W/kg

SAM Head Neck/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 112.0 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 24.1 W/kg SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.11 W/kg Maximum value of SAR (measured) = 20.5 W/kg

SAM Head Ear/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 91.03 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 15.8 W/kg SAR(1 g) = 8.74 W/kg; SAR(10 g) = 4.4 W/kg Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 22.0 W/kg = 13.42 dBW/kg

Calibration Laborator Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich	-	HOC-MRA	ASS ACCREDITION OF	S C S	Schweizerischer Kalibrierdlenst Service suïsse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service	
Accredited by the Swiss Accredita The Swiss Accreditation Service Multilateral Agreement for the re	is one of the signatorie	es to the EA		Acc	ereditation No.: SCS 0108	
Client PC Test			Certificat	e No:	D2600V2-1004_Apr18	
CALIBRATIONIC						224524 22725
Object	D2600V2-SN:1	004				
Calibration procedure(s)	QA CAL-05.v10 Calibration proce	edure for dipole	validation kits .	abov		
Calibration date:	April 1, 2018				BV	20-2019
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&T)	ed in the closed laborato.	robability are given or	the following page	s and	s of measurements (SI). are part of the certificate.	
	- ontioar for calibration)					
Primary Standards	ID#	Cal Date (Certificat	e 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			Apr-19	
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217	-02673)		Apr-19	
Reference 20 dB Attenuator	SN: 5058 (20K)	04-Apr-18 (No. 217	-02682)		Apr-19	
Type-N mismatch combination	SN: 5047.2 / 06327	04-Apr-18 (No. 217	-02683)		Apr-19	
Reference Probe EX3DV4	SN: 7349	30-Dec-17 (No. EX:	3-7349_Dec17)		Dec-18	
DAE4	SN: 601	26-Oct-17 (No. DA			Oct-18	
Secondary Standards	ID #	A 1 m m m m m m m m m m				
Power meter EPM-442A		Check Date (in hou			Scheduled Check	
Power sensor HP 8481A	SN: GB37480704	07-Oct-15 (in house			In house check: Oct-18	
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house			In house check: Oct-18	
RF generator R&S SMT-06	SN: MY41092317	07-Oct-15 (in house			In house check: Oct-18	P
-	SN: 100972	15-Jun-15 (in house			In house check: Oct-18	
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house	check Oct-17)		In house check: Oct-18	
Calibrated by:	Name Michael Weber	Functio	n ory Technician		signature Millius	
Approved by:	Katja:Pokovic	Technic	a) Maneger		Jelly	
This calibration certificate shall not	be reproduced except in	full without written app	proval of the laborat	ory.	Issued: April 12, 2018	

Certificate No: D2600V2-1004_Apr18

Ι

Calibration Laboratory of

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





Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

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

Glossarv:

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY5	V52.10.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2600 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

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

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	14.3 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	55.9 W/kg ± 17.0 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.35 W/kg

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.5	2.16 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	52.1 ± 6 %	2.19 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		A

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	13.8 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	54.8 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.20 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	24.7 W/kg ± 16.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.7 Ω - 5.7 jΩ
Return Loss	- 24.1 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	46.0 Ω - 3.8 jΩ
Return Loss	- 24.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.149 ns
,	1.1.40 110

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
Manufactured on	December 23, 2006

DASY5 Validation Report for Head TSL

Date: 11.04.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN: 1004

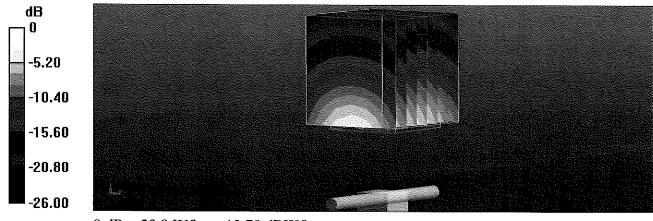
Communication System: UID 0 - CW; Frequency: 2600 MHz Medium parameters used: f = 2600 MHz; $\sigma = 2.03$ S/m; $\varepsilon_r = 37.8$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

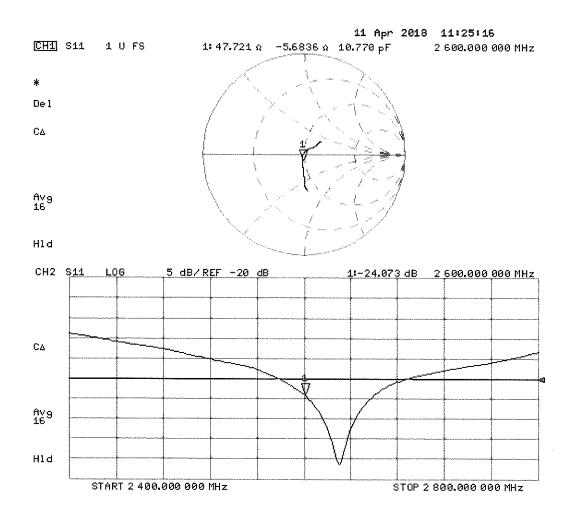
- Probe: EX3DV4 SN7349; ConvF(7.7, 7.7, 7.7); Calibrated: 30.12.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 118.5 V/m; Power Drift = -0.04 dB Peak SAR (extrapolated) = 28.6 W/kg SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.35 W/kg Maximum value of SAR (measured) = 23.9 W/kg



0 dB = 23.9 W/kg = 13.78 dBW/kg



DASY5 Validation Report for Body TSL

Date: 11.04.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN: 1004

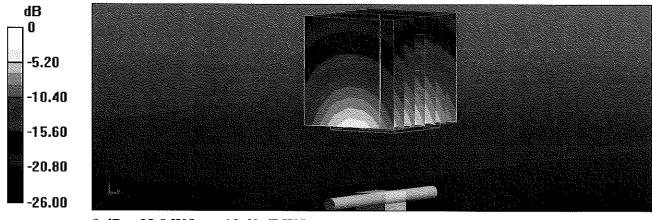
Communication System: UID 0 - CW; Frequency: 2600 MHz Medium parameters used: f = 2600 MHz; σ = 2.19 S/m; ϵ_r = 52.1; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

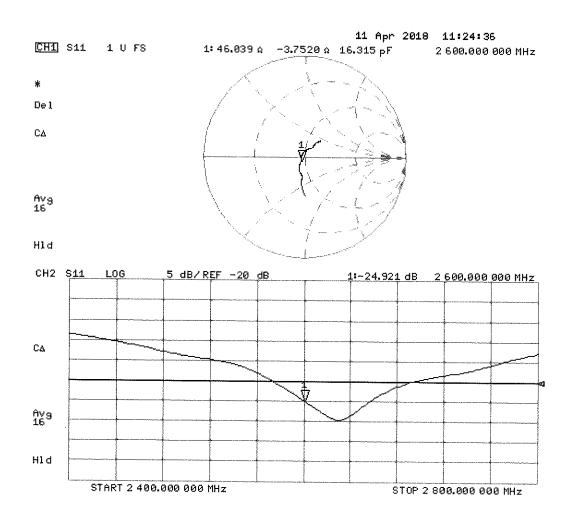
- Probe: EX3DV4 SN7349; ConvF(7.81, 7.81, 7.81); Calibrated: 30.12.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 108.5 V/m; Power Drift = -0.09 dB Peak SAR (extrapolated) = 28.3 W/kg SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.2 W/kg Maximum value of SAR (measured) = 22.9 W/kg



0 dB = 22.9 W/kg = 13.60 dBW/kg





PCTEST ENGINEERING LABORATORY, INC. 7185 Oakland Mills Road, Columbia, MD 21046 USA Tel. +1.410.290.6652 / Fax +1.410.290.6654

http://www.pctest.com



Certification of Calibration

Object

D2600V2 - SN: 1004

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

Extension Calibration date: 4/11/2019

Description:

SAR Validation Dipole at 2600 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	8753ES	S-Parameter Network Analyzer	3/11/2019	Annual	3/11/2020	US39170122
Agilent	N5182A	MXG Vector Signal Generator	4/18/2018	Annual	4/18/2019	MY47420800
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	433971
Anritsu	MA2411B	Pulse Power Sensor	11/20/2018	Annual	11/20/2019	1027293
Anritsu	MA2411B	Pulse Power Sensor	10/30/2018	Annual	10/30/2019	1126066
Anritsu	ML2495A	Power Meter	10/21/2018	Annual	10/21/2019	941001
Control Company	4040	Therm./ Clock/ Humidity Monitor	10/9/2018	Biennial	10/9/2020	181647811
Control Company	4352	Ultra Long Stem Thermometer	5/2/2017	Biennial	5/2/2019	170330156
Keysight	772D	Dual Directional Coupler	CBT	N/A	CBT	MY52180215
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	6/4/2018	Annual	6/4/2019	MY53401181
MiniCircuits	VLF-6000+	Low Pass Filter	CBT	N/A	CBT	N/A
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Pasternack	PE2209-10	Bidirectional Coupler	CBT	N/A	CBT	N/A
Seekonk	NC-100	Torque Wrench	7/11/2018	Annual	7/11/2019	N/A
SPEAG	EX3DV4	SAR Probe	6/25/2018	Annual	6/25/2019	7409
SPEAG	DAE4	Dasy Data Acquisition Electronics	6/18/2018	Annual	6/18/2019	1334
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/13/2019	Annual	2/13/2020	665
SPEAG	EX3DV4	SAR Probe	2/19/2019	Annual	2/19/2020	7417
SPEAG	DAK-3.5	Dielectric Assessment Kit	9/11/2018	Annual	9/11/2019	1091

Measurement Uncertainty = $\pm 23\%$ (k=2)

	Name	Function	Signature
Calibrated By:	Brodie Halbfoster	Test Engineer	BRODIE HALBFOSTER
Approved By:	Kaitlin O'Keefe	Senior Technical Manager	XOK

Object:	Date Issued:	Page 1 of 4
D2600V2 – SN: 1059	04/11/2019	Page 1 of 4

DIPOLE CALIBRATION EXTENSION

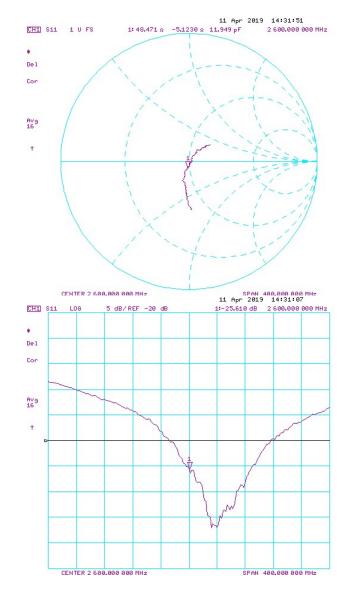
Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

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

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

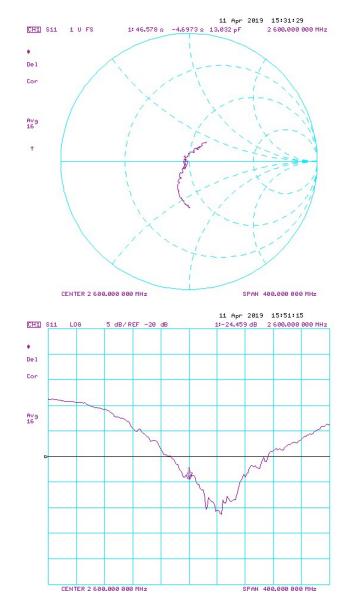
Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	(0/)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	(40-) 10/0-0	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary	Measured Impedance Head (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
4/11/2018	4/11/2019	1.149	5.59	5.51	-1.43%	2.51	2.47	-1.59%	47.7	48.5	0.8	-5.7	-5.1	0.6	-24.1	-25.6	-6.30%	PASS
Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Body (1g) W/kg @ 20.0 dBm	Measured Body SAR (1g) W/kg @ 20.0 dBm	(0/)	Certificate SAR Target Body (10g) W/kg @ 20.0 dBm	(40-) 10/0	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real	Measured Impedance Body (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary	Measured Impedance Body (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
4/11/2018	4/11/2019	1.149	5.48	5.65	3.10%	2.47	2.48	0.40%	46	46.6	0.6	-3.8	-4.7	0.9	-24.9	-24.5	1.80%	PASS

Object:	Date Issued:	Dogo 2 of 4
D2600V2 – SN: 1059	04/11/2019	Page 2 of 4



Impedance & Return-Loss Measurement Plot for Head TSL

Object:	Date Issued:	Dago 2 of 4
D2600V2 – SN: 1059	04/11/2019	Page 3 of 4



Impedance & Return-Loss Measurement Plot for Body TSL

Object:	Date Issued:	Daga 4 of 4
D2600V2 – SN: 1059	04/11/2019	Page 4 of 4

Calibration Laboratory of

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



Schweizerischer Kalibrierdienst

- C Service suisse d'étalonnage
 - Servizio svizzero di taratura
- S 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: D2600V2-1126_Aug18

S

CALIBRATION CERTIFICATE

Object	D2600V2 - SN:1	126	
Calibration procedure(s)	QA CAL-05.v10 Calibration proce	edure for dipole validation kits	above 700 MHz
			· · · · · · · · · · · · · · · · · · ·
Calibration date:	August 13, 2018		BN 09-06/2018
This calibration contificate document			
The measurements and the uncert	nts the traceability to nat ainties with confidence n	ional standards, which realize the physic robability are given on the following page	al units of measurements (SI).
All calibrations have been conducted	ed in the closed laborato	ry facility: environment temperature (22 ±	$= 3)^{\circ}$ C and humidity < 70%
Calibration Equipment used (M&TE			, · · · · · · · · · · · · · · · · · · ·
Primary Standards	ID #	Cal Date (Certificate No.)	
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Scheduled Calibration
Power sensor NRP-Z91	SN: 103244		Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02672)	Apr-19
Reference 20 dB Attenuator	SN: 5058 (20k)	04-Apr-18 (No. 217-02673)	Apr-19
Type-N mismatch combination	SN: 5047.2 / 06327	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe EX3DV4	SN: 7349	04-Apr-18 (No. 217-02683)	Apr-19
DAE4	SN: 601	30-Dec-17 (No. EX3-7349_Dec17)	Dec-18
		26-Oct-17 (No. DAE4-601_Oct17)	Oct-18
Secondary Standards	ID #	Check Date (in house)	
Power meter EPM-442A	SN: GB37480704	07-Oct-15 (in house check Oct-16)	Scheduled Check
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-16)	In house check: Oct-18
Power sensor HP 8481A	SN: MY41092317	07-Oct-15 (in house check Oct-16)	In house check: Oct-18
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-16)	In house check: Oct-18
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Oct-18 In house check: Oct-18
		(in house check, Oct-18
	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	
	and a second		Mez
Approved by:	Katja Pokovic	Technical Manager	RIM
	the second second	· · · · · · · · · · · · · · · · · · ·	Jor ne
			Issued: August 13, 2018

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

Calibration Laboratory of

Glossary

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





Schweizerischer Kalibrierdienst

S Service suisse d'étalonnage

С Servizio svizzero di taratura

S 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

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed ٠ point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point. • No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

Measurement Conditions

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

DASY Version	DASY5	
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2600 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.0	1.96 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.1 ± 6 %	2.03 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	14.0 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.5 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.25 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.6 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.5	2.16 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.3 ± 6 %	2.20 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	13.7 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	54.1 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.15 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	24.4 W/kg ± 16.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	48.3 Ω - 8.0 jΩ
Return Loss	- 21.6 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	44.7 Ω - 5.8 jΩ
Return Loss	- 21.7 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.154 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

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
Manufactured on	October 22, 2015

DASY5 Validation Report for Head TSL

Date: 13.08.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1126

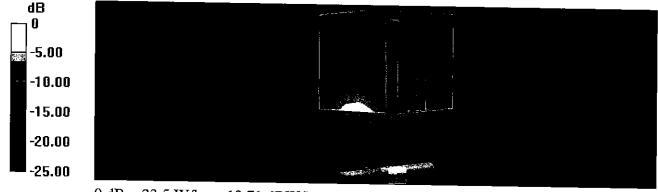
Communication System: UID 0 - CW; Frequency: 2600 MHz Medium parameters used: f = 2600 MHz; σ = 2.03 S/m; ϵ_r = 37.1; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.7, 7.7, 7.7) @ 2600 MHz; Calibrated: 30.12.2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 117.1 V/m; Power Drift = 0.00 dB Peak SAR (extrapolated) = 28.0 W/kg SAR(1 g) = 14 W/kg; SAR(10 g) = 6.25 W/kg Maximum value of SAR (measured) = 23.5 W/kg



0 dB = 23.5 W/kg = 13.71 dBW/kg

Impedance Measurement Plot for Head TSL

File	⊻iew	<u>⊆</u> hannel	Sw <u>e</u> ep	Calibration	Trace	<u>S</u> cale	M <u>a</u> rker	S <u>v</u> stem	Window	Help				
		Ch 1 Avg≃	20								0000 C 7.6613 0000 C	8pF	-7 82.	8.333 Ω .9899 Ω 730 mU 97.138 °
	Ch1:St	art 2,40000	GHz —			·····							Stop 2	2.80000 GHz
	0 0 00 00 00 00 00 00 00 00 00 00 00	Ch 1 Avg = art 2.40000	GH≥ —									Hz		.647 dB
Sta	tus	CH 1:	5 1 1		C* 1 Po	rt		Avg=20	Delay					

DASY5 Validation Report for Body TSL

Date: 13.08.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1126

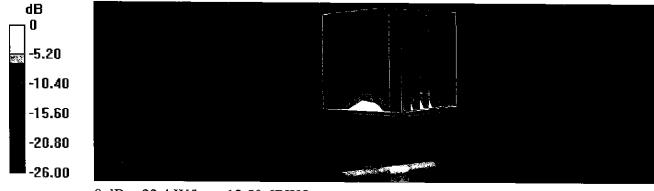
Communication System: UID 0 - CW; Frequency: 2600 MHz Medium parameters used: f = 2600 MHz; $\sigma = 2.2$ S/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.81, 7.81, 7.81) @ 2600 MHz; Calibrated: 30.12.2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 26.10.2017
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 107.2 V/m; Power Drift = -0.09 dB Peak SAR (extrapolated) = 28.0 W/kg SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.15 W/kg Maximum value of SAR (measured) = 22.4 W/kg



0 dB = 22.4 W/kg = 13.50 dBW/kg

File	⊻iew	<u>C</u> hannel	Sw <u>e</u> ep	Calibration	Trace	<u>S</u> cale	M <u>a</u> rker	S <u>y</u> stem	<u>W</u> indow	<u>H</u> elp				
	Ch1: St	Ch 1 Avg = art 2.40000								2.60(0000 G	рF	-5 82. -	4.696 Ω .7740 Ω 644 mU 129.08 °
-15 -20 -25 -30 -35	00 00 1.00 5.00 5.00 5.00 5.00 5.00 0.00	Ch 1 Avg = art 2.40000	20 GHz -									Hz	-21	.656 dB
St	atus	CH 1:	<u>\$11</u>		C* 1-Po	rt	_	Avg=20	Delay				_	LCL

Calibration Laboratory of

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

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

Client	PC Test

NIT TO BE AND	
Hac-MRA	
The Andrews	



S

Schweizerischer Kalibrierdienst Service suisse d'étalonnage

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

Accreditation No.: SCS 0108

Certificate No: EX3-3589_Jan19

		adementation de la construction de la construcción de la construcción de la construcción de la construcción de	and descent and the standard second		
					an a
PAI H		ION	NED TI	FICAT	
JALI	DINAU		2 E I N I I	ISIN ZAUS	

Object	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 docume The measurements and the uncert	nts the traceability to national standards, which realize the physical units of measurements (SI). tainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been conduct	ted in the closed laboratory facility: environment temperature (22 \pm 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)	Арг-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

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	0211
Approved by:	Katja Pokovic	Technical Manager	All
			Issued: January 29, 2019
This calibration certificat	e shall not be reproduced except in fu	I without written approval of the lab	oratory.

Calibration Laboratory of

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





Schweizerischer Kalibrierdienst S

Service suisse d'étalonnage

Accreditation No.: SCS 0108

- С Servizio svizzero di taratura
- S 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

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization ϕ	φ rotation around probe axis
Polarization 9	θ rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Connector Angle

Calibration is Performed According to the Following Standards:

- a) 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
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices C) 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 $\vartheta = 0$ (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) ^A	0.44	0.40	0.39	± 10.1 %
DCP (mV) ^B	104.1	102.3	101.6	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	161.0	± 2.2 %	±4.7 %
0		Y	0.00	0.00	1.00	1	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		Y	15.00	87.03	21.09		60.0		
,,,,,		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		Y	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	, alee , alee , , , , ,	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		
		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		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	4	
		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	4	1
		Z	3.47	67.09	15.77		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.95	65.72	15.56	0.00	150.0	± 4.8 %	± 9.6 %
AAA		Y	4.74	65.16	15.23		150.0	-	
		Z	4.81	65.57	15.48	1	150.0	1	

Note: For details on UID parameters see Appendix

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

⁸ 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.

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

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V ⁻²	T5 V⁻¹	Т6
X	55.3	407.97	34.85	27.50	1.34	5.10	1.23	0.50	1.01
 	46.7	357.99	37.12	21.71	1.59	5.07	0.00	0.73	1.01
7	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

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (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	<u>± 12.0 %</u>
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 %

Calibration Parameter Determined in Head Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz. ^F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to

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

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

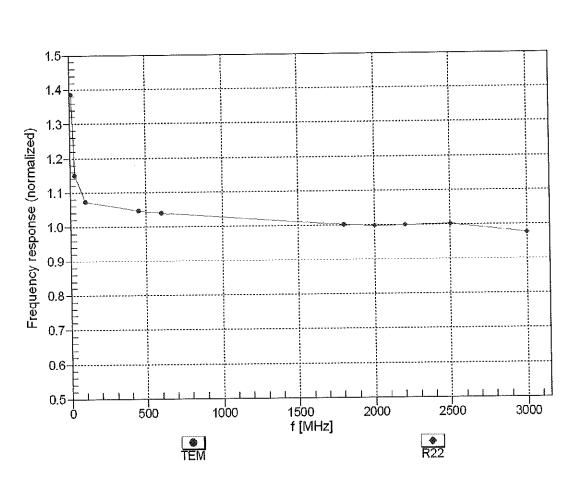
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	8.34	8.34	8.34	0.42	0.84	± 12.0 %
835	55.2	0.97	8.29	8.29	8.29	0.41	0.84	± 12.0 %
1750	53.4	1.49	6.82	6.82	6.82	0.43	0.80	± 12.0 %
1900	53.3	1.52	6.75	6.75	6.75	0.35	0.85	± 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 %

Calibration Parameter Determined in Body Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz. ^f At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to

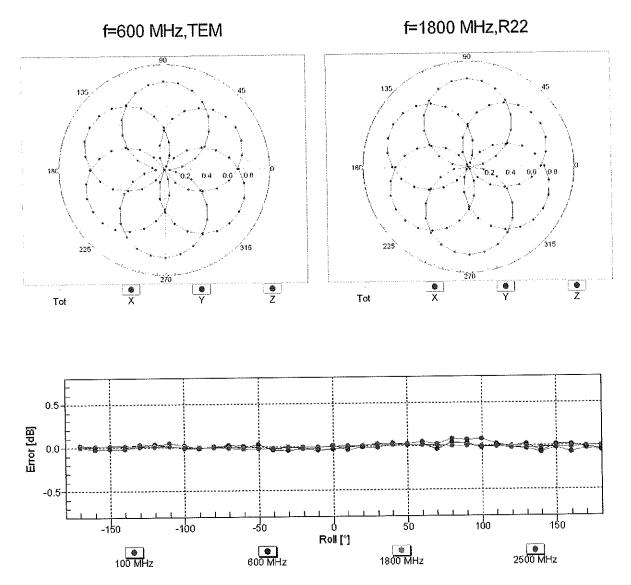
^F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

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



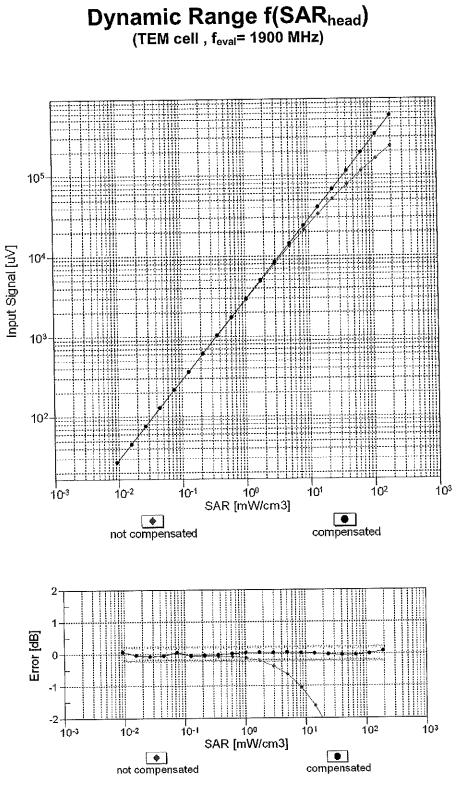
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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

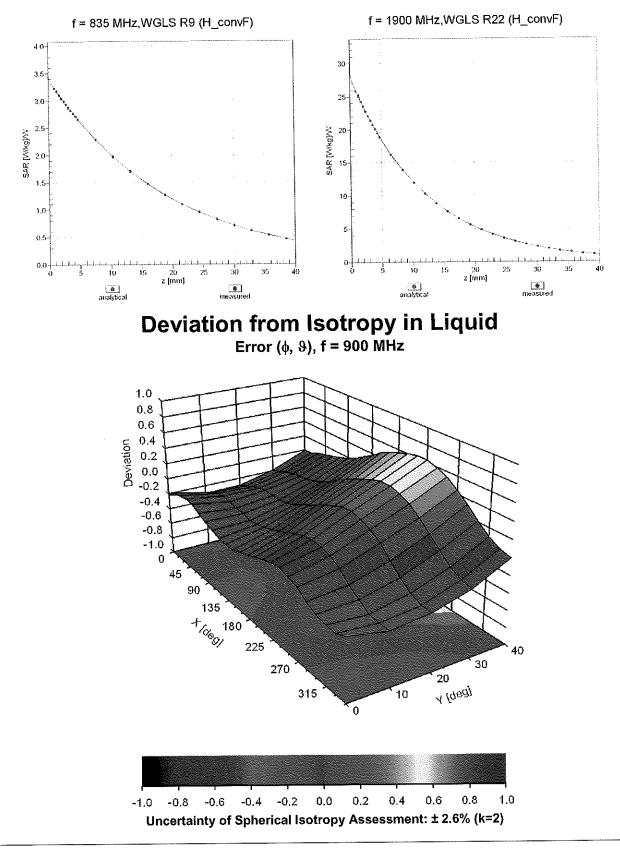


Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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



Conversion Factor Assessment

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 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	±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	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		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 10069	CAC CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10009	CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN WLAN	10.56 9.83	± 9.6 % ± 9.6 %
10071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.63	$\pm 9.6\%$ $\pm 9.6\%$
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.92	± 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	10.30	± 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 %

10110 CAG LTE-FDD SC-FDMA 100% LTE-FDD 6.74 9.9.9% 10111 CAG LTE-FDD SC-FDMA 100% LTE-FDD 6.74 9.9.9% 10112 CAG LTE-FDD SC-FDMA 100% R.5 1014 CAG 117E-FDD 6.72 9.9.9% WLAN 8.10 9.9.6% WLAN 8.10 9.6% 1116 CAC 118.6% 6.40AM WLAN 8.10 9.6% 1116 CAC 114.6% 6.40AM WLAN 8.1						
1011 CAG LTE-EPD (SC-FDMA, 100% RB, 10 MH2, 46-CAM) LTE-EPD (SC-FDMA, 100% RB, 10 MH2, 46-CAM) LTE-EPD (SC-FDMA, 100% RB, 10 MH2, 46-CAM) LTE-FDD (SC-FDMA, 100% RB, 10 MH2, 46-CAM) LTE-FDD (SC-FDMA, 100% RB, 10 MH2, 46-CAM) WLAN 8.10 19.9 % 10113 CAG LTEEE B02.11n (HT Greenfield, 81 Mbps, 16-CAM) WLAN 8.10 19.9 % 10115 CAC LEEE B02.11n (HT Greenfield, 15.8 Mbps, 16-CAM) WLAN 8.40 19.6 % 10116 CAC LEEE B02.11n (HT Mixed, 13.8 Mbps, 16-CAM) WLAN 8.15 19.6 % 10116 CAC LEEE B02.11n (HT Mixed, 13.8 Mbps, 16-CAM) WLAN 8.59 19.6 % 10118 CAC LTE-EPD (SC-FDMA, 100% RB, 15 MHz, 16-CAM) UTE-EPD 6.43 19.6 % 10140 CAE LTE-EPD (SC-FDMA, 100% RB, 15 MHz, 16-CAM) UTE-EPD 6.57 19.6 % 10141 CAE LTE-EPD (SC-FDMA, 100% RB, 14 MHz, 16-CAM) LTE-EPD 6.64 19.6 % 10142 CAE LTE-EPD (SC-FDMA, 100% RB, 14 MHz, 16-CAM) LTE-EPD 6.64 19.6 % 10142 CAE LTE-EPD (SC-FDMA, 100% RB, 14 MHz, 16-CAM) LTE-EPD			LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6%
10112 CAG LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-CAM) LTE-FDD (SC-FDMA, 100% RB, 51 MHz, 64-CAM) 10113 CAG LTE-FDD (SC-FDMA, 100% RB, 51 MHz, 64-CAM) WLAN 8.10 19.6 % 10113 CAG LEEE B02 11n (HT Greenfield, 13.5 Mbps, BP-GM) WLAN 8.40 19.6 % 10116 CAC LEEE B02 11n (HT Greenfield, 13.5 Mbps, BP-GM) WLAN 8.40 19.6 % 10116 CAC LEEE B02 11n (HT Mixed, 31.5 Mbps, BP-SM) WLAN 8.10 19.6 % 10116 CAC LEEE B02 11n (HT Mixed, 31.5 Mbps, BP-SM) WLAN 8.13 19.6 % 10119 CAC LEEE B02 11n (HT Mixed, 31.5 Mbps, BP-SM) UTE-FDD 6.53 19.6 % 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15.4 MHz, GP-SK) LTE-FDD 6.53 19.6 % 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 14.4 MHz, GP-SK) LTE-FDD 6.54 19.6 % 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 14.4 MHz, 4C-AM) LTE-FDD 6.57 19.6 % 10143 CAE LTE-FDD (SC-FDMA, 50% RB, 14.4 MHz, 4C-AM) <	10110	CAG				
10113 CAG LITE-FDD SG-FDMA, 100%, RB, 5 MHZ, 64-CAM) LITE-FDD 6,2 19.6 % 10114 CAG LIEEB 802, 11n (HT Greenfield, 81 Mbps, 16-CAM) WLAN 8,40 19.6 % 10116 CAC LIEEB 802, 11n (HT Greenfield, 81 Mbps, 16-CAM) WLAN 8,45 19.0 % 10116 CAC LIEEB 802, 11n (HT Mixed, 135 Mbps, 18-CAM) WLAN 8,59 19.0 % 10116 CAC LIEEB 802, 11n (HT Mixed, 136 Mbps, 16-CAM) WLAN 8,59 19.9 % 10116 CAC LIEEB 802, 11n (HT Mixed, 136 Mbps, 16-CAM) WLAN 8,59 19.9 % 10140 CAE LITE-FDD (SC-FDMA, 100%, RB, 15 MHz, 16-CAM) LITE-FDD (S.5 3 9.8 % 10141 CAE LITE-FDD (SC-FDMA, 100%, RB, 14 MHz, 16-CAM) LITE-FDD (S.5 19.8 % 10.6 % 10142 CAE LITE-FDD (SC-FDMA, 100%, RB, 14 MHz, 16-CAM) LITE-FDD (S.5 19.8 % 10.6 % 10142 CAE LITE-FDD (SC-FDMA, 100%, RB, 14 MHz, 16-CAM) LITE-FDD (SC 19.8 % 10.6 % 10142 CAE LITE-FDD (SC-FDMA, 100%, RB, 14 MHz, 16-CAM) <	10111			· · · · · · · · · · · · · · · · · · ·		······
10114 CAC FEEE 802.11n (HT Greenfiel, 13.5 Mpps, BPSK) WLAN 8.40 8.90.5% 10115 CAC FEEE 802.11n (HT Greenfiel, 13.5 Mpps, BFSK) WLAN 8.47 8.90.5% 10116 CAC FEEE 802.11n (HT Greenfiel, 13.5 Mpps, BFSK) WLAN 8.07 8.90.5% 10118 CAC FEEE 802.11n (HT Mixed, 81 Mbps, 16-CAM) WLAN 8.13 8.90.5% 10118 CAC FEEE 802.11n (HT Mixed, 81 Mbps, 16-CAM) WLAN 8.13 8.90.5% 10140 CAE LTEF-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM) LTE-FDD 6.43 9.90.5% 10142 CAE LTEF-FDD (SC-FDMA, 100% RB, 3 MHz, 64-CAM) LTE-FDD 6.43 9.90.5% 10144 CAE LTEF-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) LTE-FDD 6.43 9.90.5% 10144 CAE LTEF-FDD (SC-FDMA, 100% RB, 14M Hz, 16-CAM) LTEF-FDD 6.43 9.90.5% 10145 CAF LTEF-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) LTEF-FDD 6.42 9.90.5% 10146 CAF LTEF-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) LTEF-FDD 6.43 9.90.5%	10112	CAG				
10116 CAC IEEE 802.110.HT Greenfield, 31 Mbps, 16-QAM) WUAN 8.46 19.9 % 10116 CAC IEEE 802.110.HT Mixed, 135 Mbps, 8P5K) WUAN 8.56 9.9 % 10117 CAC IEEE 802.110.HT Mixed, 135 Mbps, 64-QAM) WUAN 8.59 % 10118 CAC IEEE 802.110.HT Mixed, 135 Mbps, 64-QAM) WUAN 8.59 % 10140 CAC IEEE 802.110.HT Mixed, 135 Mbps, 64-QAM) WUAN 8.59 % 10141 CAE ITE-FDD C6C-FDMA, 100% RB, 15 MHz, 16-QAM) UTE-FDD 6.53 19.9 % 10142 CAE ITE-FDD C6C-FDMA, 100% RB, 15 MHz, 16-QAM) ITE-FDD 6.53 19.9 % 10142 CAE ITE-FDD C6C-FDMA, 100% RB, 14 MHz, 16-QAM) ITE-FDD 6.57 19.9 % 10143 CAE ITE-FDD C6C-FDMA, 100% RB, 14 MHz, 16-QAM) ITE-FDD 6.72 19.9 % 10146 CAE ITE-FDD C6C-FDMA, 100% RB, 14 MHz, 16-QAM) ITE-FDD 6.72 19.8 % 10147 CAE ITE-FDD C6C-FDMA, 100% RB, 14 MHz, 16-QAM) ITE-FDD 6.72 19.8 % 10146 CAE ITE-FDD 6.62-FDMA, 30% RB, 20 MHz, 16		CAG				
10116 CAC IEEE 802.11n (HT Greenfield, 135 Mbps, 64-CAM) WLAN 8.15 ± 9.6 % 10117 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-CAM) WLAN 8.07 ± 9.6 % 10118 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-CAM) WLAN 8.13 ± 9.6 % 10119 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-CAM) UTE-FDD 6.49 ± 9.6 % 10141 CAE ITE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) ITE-FDD 6.53 ± 9.6 % 10142 CAE ITE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) ITE-FDD 5.73 ± 9.6 % 10143 CAE ITE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) ITE-FDD 5.78 ± 9.8 % 10146 CAF ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) ITE-FDD 6.41 ± 9.8 % 10147 CAE ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) ITE-FDD 6.42 ± 9.8 % 10147 CAE ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) ITE-FDD 6.42 ± 9.8 % 10146 CAF ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)	10114				\$	
1017 CAC LEE 802.110.HT Mixed, 135.Mbps, BPSK) WLAN 8.07 ± 9.6 %. 1018 CAC LEEE 802.110.HT Mixed, 135.Mbps, 64-OAM) WLAN 8.59 9.6 %. 10140 CAC LEEE 802.110.HT Mixed, 135.Mbps, 64-OAM) UTE-FDD 6.43 ± 9.6 %. 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15.MHz, 16-OAM) LTE-FDD 6.53 ± 9.6 %. 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3.MHz, 16-OAM) LTE-FDD 6.53 ± 9.6 %. 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3.MHz, 16-OAM) LTE-FDD 6.55 ± 9.6 %. 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-OAM) LTE-FDD 6.76 ± 9.8 %. 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 2.0 MHz, 64-OAM) LTE-FDD 6.72 ± 9.8 %. 10147 CAF LTE-FDD (SC-FDMA, 50% RB, 2.0 MHz, 64-OAM) LTE-FDD 6.72 ± 9.8 %. 10147 CAF LTE-FDD (SC-FDMA, 50% RB, 2.0 MHz, 64-OAM) LTE-FDD 6.42 ± 9.8 %. 10147 CAG LTE-FDD (SC-FDMA, 50% RB, 2.0 MHz, 64-	10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)			
10118 CAC LEE 802.1 (n) (HT Mixed, E1 Mbps, 16-CAM) WLAN 8.59 ± 9.6 % 10119 CAC LEEE 802.1 (n) (HT Mixed, E1 Mbps, 16-CAM) ULAN 8.13 ± 9.6 % 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM) LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-CAM) LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM)	10116	CAC		and the second se		
10116 CAC IEEE 802.111 (HT Mixed. 135 Mps, 64-QAM) WLAN 8.13 ± 9.6 % 10140 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.63 ± 9.6 % 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD 6.73 ± 9.6 % 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.63 ± 9.6 % 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-FDD 6.66 ± 9.6 % 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 1 A MHz, 64-QAM) LTE-FDD 6.41 ± 9.6 % 10147 CAF LTE-FDD (SC-FDMA, 60% RB, 20 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10147 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.64 ± 9.6 % 10150 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10152 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD 5.7 ± 9.6 % 10152 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) <t< td=""><td>10117</td><td>CAC</td><td></td><td></td><td></td><td></td></t<>	10117	CAC				
10140 CAE LTE-FDD 65.49 ± 9.6 % 10141 CAE LTE-FDD (65.71) ± 9.6 % 10142 CAE LTE-FDD (65.73) ± 9.6 % 10142 CAE LTE-FDD (65.73) ± 9.6 % 10143 CAE LTE-FDD (65.73) ± 9.6 % 10144 CAE LTE-FDD (65.74) (10.76) (10.76) 10145 CAF LTE-FDD (65.74) (10.76) (10.76) (11	10118	CAC				
10141 CAE LTE-FDD 65.3 ± 9.6 % 10142 CAE LTE-FDD SC-FDMA, 100% RB, 3 MHz, 46-CAM) LTE-FDD 6.5.3 ± 9.6 % 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 46-CAM) LTE-FDD 6.5.6 ± 9.6 % 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 46-CAM) LTE-FDD 6.7.6 ± 9.6 % 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 46-CAM) LTE-FDD 6.7.6 ± 9.6 % 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 46-CAM) LTE-FDD 6.7.2 ± 9.6 % 10147 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-CAM) LTE-FDD 6.8.2 ± 9.6 % 10150 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 46-CAM) LTE-FDD 9.8.2 ± 9.6 % 10152 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 40-CAM) LTE-FDD 5.7.2 ± 9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-CAM) LTE-FDD 5.7.2 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-CAM) LTE-FDD <td>10119</td> <td>CAC</td> <td></td> <td></td> <td></td> <td></td>	10119	CAC				
10142 CAE LTE-FDD 5.73 ± 9.6 % 10143 CAE LTE-FDD (SG-FDMA, 100% RB, 31 MHz, 16-QAM) LTE-FDD 6.65 ± 9.6 % 10144 CAE LTE-FDD (SG-FDMA, 100% RB, 31 MHz, 16-QAM) LTE-FDD 6.65 ± 9.6 % 10145 CAF LTE-FDD (SG-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.64 ± 9.6 % 10146 CAF LTE-FDD (SG-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.62 ± 9.6 % 10147 CAF LTE-FDD (SG-FDMA, 50% RB, 20 MHz, 46-QAM) LTE-FDD 6.62 ± 9.6 % 10151 CAG LTE-FDD (SG-FDMA, 50% RB, 20 MHz, 40-QAM) LTE-FDD 9.02 ± 9.6 % 10152 CAG LTE-FDD (SG-FDMA, 50% RB, 20 MHz, 40-QAM) LTE-FDD 9.02 ± 9.6 % 10155 CAG LTE-FDD (SG-FDMA, 50% RB, 10 MHz, 40-QAM) LTE-FDD 5.75 ± 9.6 % 10155 CAG LTE-FDD (SG-FDMA, 50% RB, 10 MHz, 40-QAM) LTE-FDD 5.79 ± 9.6 % <t< td=""><td>10140</td><td>CAE</td><td></td><td></td><td></td><td></td></t<>	10140	CAE				
10143 CAE LTE-FDD 63.5 ± 9.6 % 10144 CAE LTE-FDD 66.5 ± 9.6 % 10144 CAE LTE-FDD 65.5 ± 9.6 % 10146 CAF LTE-FDD 65.5 ± 9.6 % 10146 CAF LTE-FDD 65.7 ± 9.6 % 10147 CAF LTE-FDD 65.7 ± 9.6 % 10147 CAF LTE-FDD 65.7 ± 9.6 % 10147 CAF LTE-FDD 65.7 ± 9.6 % 10150 CAE LTE-FDD (65.7 ± 9.6 % 10151 CAG LTE-TDD (55.7 ± 9.6 % M.2 10152 CAG LTE-TDD (55.7 ± 9.6 % M.142, 40-CAM LTE-FDD 9.9 2 ± 9.6 % 10152 CAG LTE-FDD (55.7 ± 9.6 % M.154 ± 9.6 % 10156 CAG LTE-FDD (55.7 ± 9.6 % M.157 CAG LTE-FDD 5.7 ± 9.6 %	10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)			
10144 CAE LTE-FDD (6.65 ± 9.6 % 10145 CAF LTE-FDD (6.5C-FDMA, 100% RB, 14 MHz, QFSK) LTE-FDD 6.72 ± 9.6 % 10147 CAF LTE-FDD (6.5C-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.72 ± 9.6 % 10147 CAF LTE-FDD (6.5C-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD 6.72 ± 9.6 % 10150 CAE LTE-FDD (6.5C-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 9.28 ± 9.6 % 10151 CAG LTE-TDD (6.5C-FDMA, 50% RB, 20 MHz, 04-QAM) LTE-TDD 9.28 ± 9.6 % 10152 CAG LTE-TDD (6.5C-FDMA, 50% RB, 20 MHz, 04-QAM) LTE-TDD 9.28 ± 9.6 % 10153 CAG LTE-FDD (6.5C-FDMA, 50% RB, 10 MHz, 04-QAM) LTE-FDD 6.43 ± 9.6 % 10155 CAG LTE-FDD (6.5C-FDMA, 50% RB, 5 MHz, 04-QAM) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (6.5C-FDMA, 50% RB, 5 MHz, 04-QAM) LTE-FDD 6.62 ± 9.6 %	10142	CAE				
10146 CAF LTE-FDD S.76 ± 9.6 % 10146 CAF LTE-FDD (SC-FDMA, 100%, RB, 14 MHz, 16-CAM) LTE-FDD 6.41 ± 9.6 % 10147 CAF LTE-FDD (SC-FDMA, 100%, RB, 20 MHz, 16-CAM) LTE-FDD 6.42 ± 9.6 % 10140 CAE LTE-FDD (SC-FDMA, 50%, RB, 20 MHz, 46-CAM) LTE-FDD 9.42 ± 9.6 % 10150 CAE LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, 46-CAM) LTE-TDD 9.28 ± 9.0 % 10152 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, 16-CAM) LTE-TDD 9.02 ± 9.6 % 10153 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, 0PSK) LTE-FDD 10.57 ± 9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 0PSK) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 0PSK) LTE-FDD 6.42 ± 9.6 % 10166 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 16-CAM) LTE-FDD 6.42 ± 9.6 % <tr< td=""><td>10143</td><td>CAE</td><td></td><td></td><td></td><td></td></tr<>	10143	CAE				
10146 CAF LTE-FDD 6C-L 4.9.6% 10147 CAF LTE-FDD 6C-TDMA, 100% RB, 14 MHz, 64-CAM) LTE-FDD 6.72 ± 9.6% 10140 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) LTE-FDD 6.72 ± 9.6% 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM) LTE-FDD 6.60 ± 9.6% 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 0-CAM) LTE-TDD 9.92 ± 9.6% 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 0-CAM) LTE-TDD 9.92 ± 9.6% 10153 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 0-CAM) LTE-FDD 5.75 ± 9.6% 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 6.43 ± 9.6% 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 0-CAM) LTE-FDD 6.49 ± 9.6% 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 0-CAM) LTE-FDD 6.43 ± 9.6% 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 0-CAM) LTE-FDD 6.84	10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)			
10147 CAF LTE-FDD CSC-FDMA, 50% RB, 20 MHz, 16-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-TDD [SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 9.28 ± 9.6 % 10151 CAG LTE-TDD [SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.28 ± 9.6 % 10152 CAG LTE-TDD [SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 10.05 ± 9.6 % 10155 CAG LTE-TDD [SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 6.75 ± 9.6 % 10155 CAG LTE-FDD [SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD [SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.42 ± 9.6 % 10157 CAG LTE-FDD [SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.42 ± 9.6 % 10158 CAG LTE-FDD [SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.82 ± 9.6 % 10160 CAE LTE-FDD [SC-FDMA, 50% RB, 1	10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)		5.76	
10149 CAE LTE-FDD 65-CPDMA, 50%, RB, 20 MHz, 64-GAM) LTE-FDD 6.42 ± 9.6 %. 10150 CAE LTE-FDD [SC-FDMA, 50%, RB, 20 MHz, 0PSK) LTE-FDD 9.28 ± 9.6 %. 10151 CAG LTE-TDD [SC-FDMA, 50%, RB, 20 MHz, 0PSK) LTE-TDD 9.28 ± 9.6 %. 10152 CAG LTE-TDD [SC-FDMA, 50%, RB, 20 MHz, 0PSK) LTE-TDD 9.92 ± 9.6 %. 10153 CAG LTE-TDD [SC-FDMA, 50%, RB, 10 MHz, 0PSK) LTE-FDD 6.75 ± 9.6 %. 10155 CAG LTE-FDD [SC-FDMA, 50%, RB, 5 MHz, 0PSK) LTE-FDD 6.43 ± 9.6 %. 10156 CAG LTE-FDD [SC-FDMA, 50%, RB, 5 MHz, 0PSK) LTE-FDD 6.62 ± 9.6 %. 10157 CAG LTE-FDD [SC-FDMA, 50%, RB, 5 MHz, 0PSK) LTE-FDD 6.62 ± 9.6 %. 10168 CAG LTE-FDD [SC-FDMA, 50%, RB, 5 MHz, 0PSK) LTE-FDD 6.62 ± 9.6 %. 10160 CAE LTE-FDD [SC-FDMA, 50%, RB, 16 MHz, 16-QAM) LTE-FDD 6.82 ± 9.6 %. 101616 CAE LTE-FDD [SC-FDMA, 50%	10146	CAF		LTE-FDD		
10150 CAE LTE-FDD (SC-FDMA, 50%, RB, 20 MHz, GPSK) LTE-FDD 6.60 ± 9.6 % 10151 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, GPSK) LTE-TDD 9.92 ± 9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, GPSK) LTE-TDD 10.05 ± 9.6 % 10153 CAG LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, GPSK) LTE-FDD 6.04 ± 9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50%, RB, 10 MHz, GPSK) LTE-FDD 6.73 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, GPSK) LTE-FDD 6.49 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, GPSK) LTE-FDD 6.49 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, GPSK) LTE-FDD 6.82 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, GPSK) LTE-FDD 6.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, GPSK) LTE-FDD 6.43 ± 9.6 % 10166 CAE LTE-FDD (SC-FDMA, 50%, RB, 14 MHz	10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)			
10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 044-0AM) LTE-FDD 6.60 ± 9.6 % 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 044-0AM) LTE-TDD 9.92 ± 9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 044-0AM) LTE-TDD 9.92 ± 9.6 % 10154 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 044-0AM) LTE-TDD 5.75 ± 9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 04-0AM) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 51 MHz, 04-0AM) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 51 MHz, 04-0AM) LTE-FDD 6.62 ± 9.6 % 10168 CAG LTE-FDD (SC-FDMA, 50% RB, 51 MHz, 04-0AM) LTE-FDD 6.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 04-0AM) LTE-FDD 6.43 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 04-0AM) LTE-FDD 6.28 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 0	10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)			
10151 CAG LTE-TDD 9.28 ± 9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 9.28 ± 9.6 % 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 5.75 ± 9.6 % 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 16-QAM) LTE-FDD 6.42 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 16-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) 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 CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.48 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 5.73 <t< td=""><td></td><td></td><td>LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)</td><td></td><td></td><td></td></t<>			LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)			
10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 10.92 ± 9.6 % 10153 CAG LTE-TDD (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 5.75 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 5.73 ± 9.6 % 10156 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, 5 MHz, 16-QAM) LTE-FDD 6.66 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD	10151		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)			
10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, Ge4-QAM) LTE-TDD 10.05 ± 9.6 % 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10165 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10167 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 6.44 ± 9.6 % 10168 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10169 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10162 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, 14 MHz, 0PSK) <td></td> <td></td> <td>LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)</td> <td>and the second street of the second street stre</td> <td>1</td> <td></td>			LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	and the second street of the second street stre	1	
10154 CAG 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, 16-QAM) LTE-FDD 6.49 ±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 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G-QAM) LTE-FDD 6.82 ±9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, G-QAM) LTE-FDD 6.43 ±9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, GPSK) LTE-FDD 6.44 ±9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM) LTE-FDD 6.62 ±9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM) LTE-FDD 6.43 ±9.6 % 10168 CAF LTE-FDD (SC-FDMA, 188, 20 MHz, 64-QAM) LTE-FDD 6.21 ±9.6 %		<u></u>		LTE-TDD	10.05	
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 6.79 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 46-QAM) LTE-FDD 6.62 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 40-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 40-QAM) 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, 14 MHz, 0PSK) LTE-FDD 6.44 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-FDD 6.79 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 188, 20 MHz, 16-QAM) LTE-FDD 6.79 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 16-QAM)				LTE-FDD	5,75	
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, 6 MHz, 16-QAM) LTE-FDD 6.49 ± 9.6 % 10158 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, 64-QAM) LTE-FDD 6.58 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 04-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 04-QAM) LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 18, 14 MHz, 16-QAM) LTE-FDD 6.73 ± 9.6 % 10176 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 40-QAM) LTE-FDD 6.73 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 40-QAM) LTE-FDD 6.73 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, 40-QAM)	10155	CAG			6.43	± 9.6 %
10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.49 ± 9.6 % 10158 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, 5 MHz, 64-QAM) LTE-FDD (S.2 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD (S.3 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD (S.4 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-FDD 5.46 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM) LTE-FDD 6.73 ± 9.6 % 10168 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 0A-QAM) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 0A-QAM) LTE-FDD 6.49 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 0A-QAM) LTE-FDD 6.49 ± 9.6 % 10172 <td></td> <td>CAG</td> <td></td> <td>LTE-FDD</td> <td>5.79</td> <td>±9.6 %</td>		CAG		LTE-FDD	5.79	±9.6 %
10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.52 ± 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, 16-QAM) LTE-FDD 6.43 ± 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, 14 MHz, 04-QAM) LTE-FDD 6.46 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 04-QAM) LTE-FDD 6.72 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 1RB, 20 MHz, 04-QAM) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 04-QAM) LTE-FDD 6.49 ± 9.6 % 10171 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, 04-QAM) LTE-FDD 9.44 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, 04-QAM) LTE-FDD				LTE-FDD	6.49	± 9.6 %
10159 CAG LTE-FDD 6.56 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 ± 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, 16-QAM) LTE-FDD 6.43 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 0PSK) LTE-FDD 6.21 ± 9.6 % 10167 CAF LTE-FDD (SC-FDMA, 18B, 20 MHz, 16-QAM) LTE-FDD 6.79 ± 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, 0PSK) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 0PSK) LTE-FDD 9.48 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 0PSK) LTE-FDD 9.48 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 0PSK)				LTE-FDD	6.62	±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, 64-QAM) LTE-FDD 6.63 ± 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, 14 MHz, QPSK) LTE-FDD 5.46 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.79 ± 9.6 % 10169 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10171 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, GPSK) LTE-FDD 9.48 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 9.21 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LT				LTE-FDD	6.56	±9.6 %
10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.21 ± 9.6 % 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 18, 20 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.49 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, GA-QAM) LTE-FDD 9.48 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1RB, 20 MHz, GA-QAM) LTE-FDD 9.48 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, GA-QAM) LTE-FDD 9.48 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, GA-QAM) LTE-FDD 5.72 ± 9.6 % 10177				LTE-FDD	5.82	± 9.6 %
10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK) LTE-FDD 5.46 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, GPSK) LTE-FDD 5.46 ± 9.6 % 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.79 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, GPSK) 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, 64-QAM) LTE-TDD 9.21 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-FDD 5.72 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, G4-QAM) LTE-FDD 5.73 ± 9.6 % 10176				LTE-FDD	6.43	± 9.6 %
10166 CAF 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, 1RB, 20 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 16-QAM) LTE-FDD 6.49 ± 9.6 % 10171 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, 64-QAM) LTE-FDD 9.21 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1RB, 20 MHz, 40-QAM) LTE-TDD 9.48 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, 64-QAM) LTE-TDD 9.48 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 5.73 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 5.72 ± 9.6 %				LTE-FDD	6.58	± 9.6 %
10167 CAF LTE-FDD Sc.FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.71 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-TDD 9.21 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 1RB, 20 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1RB, 20 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1RB, 10 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1RB, 5 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1RB, 5 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1RB, 5 MHz, QPSK) LTE-FDD			LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10168 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) 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, 16-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, QPSK) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD <td< td=""><td></td><td></td><td>LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)</td><td>LTE-FDD</td><td>6.21</td><td>± 9.6 %</td></td<>			LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 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, QPSK) 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, QPSK) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) LTE-FDD 5.73 ± 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, QPSK) LTE-FDD 5.73 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM) LTE-FDD 5.73 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM) LTE-FDD <				LTE-FDD	6.79	± 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, 0PSK) 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, 10 MHz, 16-QAM) LTE-TDD 10.25 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 0PSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 0PSK) LTE-FDD 5.73 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 0PSK) LTE-FDD 5.73 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 0AM) LTE-FDD 5.72 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 0APSK) LTE-FDD 6.50 ± 9.6 % 10180 CAE LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 0APSK) LTE-FDD				LTE-FDD	5.73	±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 % 10175 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-TDD 10.25 ± 9.6 % 10176 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.50 ± 9.6 % 10181 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	6.52	± 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 6.52 ± 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, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 6.50 ± 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, G4-QAM) <t< td=""><td>5</td><td></td><td></td><td>LTE-FDD</td><td>6.49</td><td>± 9.6 %</td></t<>	5			LTE-FDD	6.49	± 9.6 %
10173 CAG LTE-TDD Schedule ± 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, QPSK) LTE-FDD 5.73 ± 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, 5 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, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)				LTE-TDD	9.21	± 9.6 %
10174 CAG 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, QPSK) LTE-FDD 5.73 ±9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.73 ±9.6 % 10177 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 6.52 ±9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-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, 64-QAM) LTE-FDD 6.50 ±9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.52 ±9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 %				LTE-TDD	9.48	± 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, QPSK) LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 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, 64-QAM) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 5.73 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK) LTE-FDD 6.51 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0CPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0CAM) LTE-FDD			LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10176 CAG LTE-FDD (S.2 ± 9.6 % 10177 CAI LTE-FDD (S.2 ± 9.6 % 10177 CAI LTE-FDD (S.2 ± 9.6 % 10178 CAG LTE-FDD (S.2 ± 9.6 % 10178 CAG LTE-FDD (S.2 ± 9.6 % 10179 CAG LTE-FDD (S.2 ± 9.6 % 10179 CAG LTE-FDD (S.2 ± 9.6 % 10170 CAG LTE-FDD (S.2 ± 9.6 % 10180 CAG LTE-FDD (S.2 ± 9.6 % 10181 CAE LTE-FDD (S.C-FDMA, 1 RB, 5 MHz, 44-QAM) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 40-QAM) LTE-FDD 6.50 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10186 CA			LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 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, G4-QAM) LTE-FDD 6.50 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-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, 64-QAM) LTE-FDD 6.51 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 464-QAM) LTE-FDD<			LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)			± 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, 64-QAM) 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, G4-QAM) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM) LTE-FDD 6.51 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM) LTE-FDD 6.50 ± 9.6 % 10186 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-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 %
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, 5 MHz, QPSK) LTE-FDD 5.72 ± 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 6.50 ± 9.6 % 10184 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, 64-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, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD </td <td></td> <td></td> <td></td> <td></td> <td>6.52</td> <td></td>					6.52	
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 6.50 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10186 CAE 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 6.52 ± 9.6 % 10188 CAF 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 <td></td> <td></td> <td></td> <td></td> <td>6,50</td> <td>± 9.6 %</td>					6,50	± 9.6 %
10180 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, 16-QAM) LTE-FDD 6.50 ± 9.6 % 10184 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 % 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) WLA						
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, QPSK) LTE-FDD 5.73 ± 9.6 % 10186 AAE 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 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, QPSK) 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, 65 Mbps, 64-QAM) WLA						± 9.6 %
10182 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, QPSK) LTE-FDD 6.51 ± 9.6 % 10186 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 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, QPSK) 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, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN </td <td></td> <td></td> <td></td> <td></td> <td>6.52</td> <td>± 9.6 %</td>					6.52	± 9.6 %
10100 1/3/12 LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) 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 6.51 ± 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, QPSK) LTE-FDD 5.73 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, dPSK) 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, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN						± 9.6 %
Interform Interform <thinterform< th=""> Interform <thinterform< th=""> Interform <thi< td=""><td></td><td></td><td></td><td></td><td>5.73</td><td>± 9.6 %</td></thi<></thinterform<></thinterform<>					5.73	± 9.6 %
10105 OAL LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 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 8.11 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 65 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) W						± 9.6 %
10100 Mate ETE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 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 8.11 ± 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, 6.5 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)			LTE-FDD (SC-FDMA, 1 RB. 3 MHz. 64-QAM)			±9.6 %
10161 O/A ETE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) 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) 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, 6.5 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %					5.73	±9.6 %
10160 O/M LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ± 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, 65 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 % 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 %						± 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 8.12 ± 9.6 % 10196 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 % 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 %						± 9.6 %
10130 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 Greenfield, 65 Mbps, 64-QAM) WLAN 8.10 ± 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 %						±9.6 %
10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.10 ± 9.6 % 10197 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 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)			± 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 %						± 9.6 %
10130 O/AC 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 %				· · · · · · · · · · · · · · · · · · ·		± 9.6 %
10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %						± 9.6 %
						± 9.6 %
	10130	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

19220 CAG IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.27 ± 96.5% 19221 CAG IEEE 802.11n (HT Mixed, 15 Mbps, 16-QAM) WLAN 8.27 ± 96.5% 19222 CAG IEEE 802.11n (HT Mixed, 160 Mbps, 66-QAM) WLAN 8.48 ± 96.5% 19224 CAG IEEE 802.11n (HT Mixed, 160 Mbps, 66-QAM) WLAN 8.48 ± 96.5% 19225 CAA LITE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 16-QAM) ITE-TDD 9.42 ± 96.5% 19226 CAA LITE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 16-QAM) ITE-TDD 9.42 ± 96.5% 19226 CAA LITE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 0F-GAM) ITE-TDD 9.42 ± 96.5% 19236 CAC LITE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 0F-GAM) ITE-TDD 9.42 ± 96.5% 19236 CAC LITE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 0F-GAM) ITE-TDD 9.42 ± 96.5% 19236 CAC LITE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 0F-GAM) ITE-TDD 9.42 ± 96.5% 19236 CAC LITE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 0F-GAM) ITE-TDD 9.42 ± 96.5% 10231 <			and the second			
10222 CAC IEEE B02.11n (HT Mixed, 15 Mips, BE-QAM) WULN 8.40 1.9.6 % 10224 CAC IEEE B02.11n (HT Mixed, 150 Mips, 64-CAM) WULN 8.40 1.9.6 % 10224 CAC IEEE B02.11n (HT Mixed, 150 Mips, 64-CAM) WULN 8.40 1.9.6 % 10225 CAA LTE-TDD (SC-FDMA, 1 RB, 1.4 Mitz, 16-CAM) LTE-TDD 9.4 1.9.6 % 10226 CAA LTE-TDD (SC-FDMA, 1 RB, 1.4 Mitz, 40-CAM) LTE-TDD 1.0.2 % 1.9.6 % 10228 CAA LTE-TDD (SC-FDMA, 1 RB, 3.Mitz, 40-CAM) LTE-TDD 9.42 1.9.6 % 10229 CAC LTE-TDD (SC-FDMA, 1 RB, 3.Mitz, 40-CAM) LTE-TDD 9.42 1.9.6 % 10231 CAC LTE-TDD (SC-FDMA, 1 RB, 5.Mitz, 40-CAM) LTE-TDD 9.2 % 1.9.6 % 10232 CAF LTE-TDD (SC-FDMA, 1 RB, 5.Mitz, 40-CAM) LTE-TDD 9.4 % 9.6 % 10232 CAF LTE-TDD (SC-FDMA, 1 RB, 10 Mitz, 4-GAM) LTE-TDD 9.4 % 9.6 % 10233 CAF LTE-TDD (SC-FDMA, 1 RB, 15 Mitz, 10-CAM)	10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6 %
10223 CAC IEEE 802.11n (HT Mixed, 30 Mbps, 16-QAM) WILAN 8.08 1.926 10224 CAC IEEE 802.11n (HT Mixed, 10 Mbps, 16-QAM) WICDMA 6.09 1.926 10226 CAB UITS-FDD (SC-FDMA, 1.78, 1.4 MHz, 64-QAM) ITE-TDD 9.49 1.96 fs, 10227 CAA ITE-TDD (SC-FDMA, 1.78, 1.4 MHz, 64-QAM) ITE-TDD 9.20 1.96 fs, 10228 CAA ITE-TDD (SC-FDMA, 1.78, 1.4 MHz, 64-QAM) ITE-TDD 9.20 1.96 fs, 10228 CAC ITE-TDD (SC-FDMA, 1.78, 3 MHz, 16-QAM) ITE-TDD 9.42 1.96 fs, 10230 CAC ITE-TDD (SC-FDMA, 1.78, 5 MHz, 16-QAM) ITE-TDD 9.26 1.96 fs, 10232 CAF ITE-TDD (SC-FDMA, 1.78, 5 MHz, 0PSK) ITE-TDD 9.26 1.96 fs, 10234 CAF ITE-TDD (SC-FDMA, 1.78, 1.0 MHz, 16-QAM) ITE-TDD 9.26 1.96 fs, 10235 CAF ITE-TDD (SC-FDMA, 1.78, 1.0 MHz, 26-QAM) ITE-TDD 9.26 1.96 fs, 10236 CAF ITE-TDD (SC-FDMA, 1.78, 1.5 MHz, 26-QAM) <			IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6 %
19224 CAC IEEE R02.110 (HT MWed, 150 Mbps, 24-QAM) WUAN 5.07 1.96 % 19226 CAA LTE-TDD (SC-FDMA, 1R, 1.4 MHz, 16-QAM) LTE-TDD 1.94 % 1.96 % 19227 CAA LTE-TDD (SC-FDMA, 1R, 1.4 MHz, 16-QAM) LTE-TDD 9.46 % 19228 CAA LTE-TDD (SC-FDMA, 1R, 1.4 MHz, QPSK) LTE-TDD 9.46 % 19229 CAC LTE-TDD (SC-FDMA, 1R, 1.4 MHz, QPSK) LTE-TDD 9.46 % 19230 CAC LTE-TDD (SC-FDMA, 1R, 1.4 MHz, QPSK) LTE-TDD 9.46 % 19231 CAC LTE-TDD (SC-FDMA, 1R, 1R, MHz, QPSK) LTE-TDD 9.47 % 9.86 % 19233 CAF LTE-TDD (SC-FDMA, 1R, MHz, 0FSK) LTE-TDD 9.21 % 9.8 % 19234 CAF LTE-TDD (SC-FDMA, 1R, 1MHz, 0FSK) LTE-TDD 9.21 % 9.8 % 19235 CAF LTE-TDD (SC-FDMA, 1R, 1MHz, 0FSK) LTE-TDD 9.21 % 9.8 % 19236 CAF LTE-TDD (SC-FDMA, 1R, 1MHz, 0FSK) LTE-TDD 9.21 % 9.8 % 19236 CAF <td< td=""><td></td><td></td><td></td><td>WLAN</td><td>8.06</td><td>±9.6 %</td></td<>				WLAN	8.06	±9.6 %
10225 CAB UMES-FDD (HSPA+) WCDMA 507 5.96 5.97 10226 CAA LTE-TDD (SC+FDMA, 1 RB, 1.4 MHz, 64-CAM) LTE-TDD 9.48 9.68 10227 CAA LTE-TDD (SC+FDMA, 1 RB, 1.4 MHz, 64-CAM) LTE-TDD 9.22 9.65 10228 CAC LTE-TDD (SC+FDMA, 1 RB, 3. MHz, 16-CAM) LTE-TDD 9.48 9.65 10230 CAC LTE-TDD (SC+FDMA, 1 RB, 3. MHz, 04-CAM) LTE-TDD 9.48 9.65 10231 CAC LTE-TDD (SC+FDMA, 1 RB, 5. MHz, 0PSK) LTE-TDD 9.48 9.65 10232 CAF LTE-TDD (SC+FDMA, 1 RB, 5. MHz, 0PSK) LTE-TDD 9.47 9.65 10234 CAF LTE-TDD (SC+FDMA, 1 RB, 15 MHz, 16-CAM) LTE-TDD 9.21 9.65 10235 CAF LTE-TDD (SC+FDMA, 1 RB, 15 MHz, 20-PSK) LTE-TDD 9.22 9.65 10236 CAF LTE-TDD (SC+FDMA, 1 RB, 15 MHz, 20-PSK) LTE-TDD 9.21 9.65 10237 CAF LTE-TDD (SC+FDMA, 1 RB, 15 MHz, 20-PSK) LTE-TDD 9.65				WLAN	8.48	± 9.6 %
1922E CAA LTE-TDD 0.49 ± 9.68 1922F CAA LTE-TDD 0.26 ± 9.68 1922B CAA LTE-TDD 0.27 ± 9.68 1922B CAA LTE-TDD 0.5C-FDMA, 18B, 3 MHz, 46-OAM) LTE-TDD 9.42 ± 9.68 1923B CAC LTE-TDD 0.5C-FDMA, 18B, 3 MHz, 46-OAM) LTE-TDD 9.48 ± 9.68 1923B CAC LTE-TDD 0.5C-FDMA, 18B, 5 MHz, 46-OAM) LTE-TDD 9.48 ± 9.68 1923B CAF LTE-TDD 0.5C-FDMA, 18B, 5 MHz, 46-OAM) LTE-TDD 9.48 ± 9.68 1923B CAF LTE-TDD 0.5C-FDMA, 18B, 5 MHz, 46-OAM) LTE-TDD 9.48 ± 9.68 1923B CAF LTE-TDD CS-FDMA, 18B, 10 MHz, 46-OAM) LTE-TDD 9.48 ± 9.68 1923B CAF LTE-TDD CS-FDMA, 18B, 10 MHz, 46-OAM) LTE-TDD 9.48 ± 9.68 1924B CAA LTE-TDD CS-FDMA, 18B, 10 MHz, 46-OAM) LTE-TDD 9.48 ± 9.68				WLAN	8.08	± 9.6 %
19227 CAA LTE-TDD 1028 CAA 19228 CAA LTE-TDD CoCFDMA, 1RB, 3 MH2, 18-OAM) LTE-TDD 9.42 9.86 % 19230 CAC LTE-TDD CSC-FDMA, 1RB, 3 MH2, 18-OAM) LTE-TDD 9.48 9.86 % 19230 CAC LTE-TDD CSC-FDMA, 1RB, 3 MH2, 0PSK) LTE-TDD 9.48 9.86 % 19231 CAC LTE-TDD CSC-FDMA, 1RB, 3 MH2, 0PSK) LTE-TDD 9.48 9.86 % 19232 CAF LTE-TDD ISC-FDMA, 1RB, 5 MH2, 0PSK) LTE-TDD 9.48 9.86 % 19234 CAF LTE-TDD ISC-FDMA, 1RB, 10 MH2, 0PSK) LTE-TDD 9.21 9.86 % 19236 CAF LTE-TDD ISC-FDMA, 1RB, 10 MH2, 0PSK) LTE-TDD 9.21 9.86 % 19236 CAF LTE-TDD ISC-FDMA, 1RB, 10 MH2, 0PSK) LTE-TDD 9.24 9.86 % 19236 CAF LTE-TDD ISC-FDMA, 1RB, 10 MH2, 0PSK) LTE-TDD 9.24 9.86 % 19236 CAF LTE-TDD ISC-FDMA, 1RB, 10 MH2, 0PSK) LTE-TDD 9.84			UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6 %
19228 CAA LTE-TDD S22 ± 98 S23 S22 CAC LTE-TDD S22 ± 98 S23 S23 CAC LTE-TDD S2 ± 98 S3 S32 CAC LTE-TDD S22 ± 98 S3 S32 CAC LTE-TDD S24 L 98 S3 S32 CAC LTE-TDD S22 L 98 S3 S32 CAC LTE-TDD S32 L 98 S3 S32 CAC LTE-TDD S32 L 98 S3 S32 CAC L 18 CAC			LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
19229 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM) LTE-TDD 9.48 9.68 19230 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSO) LTE-TDD 9.49 9.68 19231 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSO) LTE-TDD 9.48 9.68 19232 CAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-OAM) LTE-TDD 9.48 9.68 19234 CAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-OAM) LTE-TDD 9.48 9.68 19236 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 04-OAM) LTE-TDD 9.48 9.68 19236 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 04-OAM) LTE-TDD 9.48 9.68 19238 CAF LTE-TDD (SC-FDMA, 1 RB, 16 MHz, 04-OAM) LTE-TDD 9.48 9.68 19238 CAF LTE-TDD (SC-FDMA, 1 RB, 16 MHz, 04-OAM) LTE-TDD 9.48 9.68 19248 CAF LTE-TDD (SC-FDMA, 1 RB, 16 MHz, 07-SK) LTE-TDD 9.48 9.68 19248 CAF LTE-TDD (SC-FDMA, 50%, RB, 14 MHz, 04-OAM) LTE-TDD 9.48				LTE-TDD	10.26	
10229 CAC LTE-TDD 9.48 ± 9.6 % 10230 CAC LTE-TDD 10.57 ± 9.6 % 10231 CAC LTE-TDD 10.57 ± 9.6 % 10232 CAF LTE-TDD 10.57 ± 9.6 % 10232 CAF LTE-TDD 10.57 ± 9.6 % 10234 CAF LTE-TDD 10.57 ± 9.6 % 10235 CAF LTE-TDD 10.57 ± 9.6 % 10236 CAF LTE-TDD 10.57 ± 9.6 % 10236 CAF LTE-TDD 10.57 ± 9.6 % 10238 CAF LTE-TDD 10.57 ± 9.6 % 10239 CAF LTE-TDD 10.57 ± 9.6 % 10240 CAF LTE-TDD 10.57 ± 9.6 % 10241 CAA LTE-TDD 10.57 ± 9.6 % 10242 CAA LTE-TDD 10.56 ± 9.6 % 10244 CAC LTE-TDD 10.66 ± 9.6 % <				LTE-TDD	9.22	
10230 CAC LTE-TDD 10.26 ± 9.6 % 10231 CAC LTE-TDD 9.16 ± 9.6 % 10232 CAF LTE-TDD 10.5C+DMA, 1 RB, 5 MHz, 46-QAM) LTE-TDD 9.02 ± 9.6 % 10232 CAF LTE-TDD 10.5C+DMA, 1 RB, 5 MHz, 46-QAM) LTE-TDD 9.21 ± 9.6 % 10236 CAF LTE-TDD 10.5C+DMA, 1 RB, 10 MHz, 16-QAM) LTE-TDD 9.21 ± 9.6 % 10236 CAF LTE-TDD 10.5C+DMA, 1 RB, 10 MHz, 16-QAM) LTE-TDD 9.21 ± 9.6 % 10237 CAF LTE-TDD 10.5C+DMA, 1 RB, 10 MHz, 16-QAM) LTE-TDD 9.21 ± 9.6 % 10240 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10241 CAA LTE-TDD (SC-FDMA, 60% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.26 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 60% RB, 1.4 MHz, 46-QAM) LTE-TDD 9.86 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 60% RB, 1.4 MHz, 46-QAM) LTE-TDD			LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	
10231 CAC LTE-TDD 9.19 ± 9.6 % 10232 CAF LTE-TDD 9.46 ± 9.6 % 10233 CAF LTE-TDD 10.25 ± 9.6 % 10234 CAF LTE-TDD 10.26 ± 9.6 % 10235 CAF LTE-TDD 10.26 ± 9.6 % 10236 CAF LTE-TDD 10.26 ± 9.6 % 10236 CAF LTE-TDD 10.26 ± 9.6 % 10237 CAF LTE-TDD 10.27 ± 9.6 % 10238 CAF LTE-TDD (SC-FDMA, 18R, 10 MHz, 0-CAM) LTE-TDD 9.48 ± 9.6 % 10240 CAF LTE-TDD (SC-FDMA, 18R, 10 MHz, 0+CAM) LTE-TDD 9.42 ± 9.6 % 10241 CAA LTE-TDD (SC-FDMA, 18R, 10 MHz, 0+CAM) LTE-TDD 9.42 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 0+CAM) LTE-TDD 9.46 ± 9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 0+CAM) LTE-TDD 9.46 ± 9.6 %				LTE-TDD	10.25	
19232 CAF LTE-TDD 9.48 ± 9.6 % 19233 CAF LTE-TDD 10.25 ± 9.6 % 19234 CAF LTE-TDD 10.25 ± 9.6 % 19235 CAF LTE-TDD 10.26 ± 9.6 % 19236 CAF LTE-TDD 10.26 ± 9.6 % 19237 CAF LTE-TDD 10.26 ± 9.6 % 19238 CAF LTE-TDD 10.26 ± 9.6 % 19238 CAF LTE-TDD 10.26 ± 9.6 % 19238 CAF LTE-TDD 10.26 ± 9.6 % 19240 CAF LTE-TDD 10.26 ± 9.6 % 19241 CAA LTE-TDD 10.26 ± 9.6 % 19242 CAA LTE-TDD 10.26 ± 9.6 % 19243 CAC LTE-TDD 9.6 ± 9.6 % ± 9.6 % 19244 CAC LTE-TDD 9.6 ± 9.6 % ± 9.6 % 19245 CAC LTE-TDD 10.06 ± 9.6 % ± 9.6 %<				LTE-TDD	9.19	
10233 CAF LTE-TOD 10.25 ± 9.6 % 10234 CAF LTE-TOD 9.26 ± 9.6 % 10235 CAF LTE-TOD 10.62 ± 9.6 % 10236 CAF LTE-TOD 10.62 ± 9.6 % 10237 CAF LTE-TOD 10.62 ± 9.6 % 10238 CAF LTE-TOD 10.62 ± 9.6 % 10238 CAF LTE-TOD 10.62 ± 9.6 % 10240 CAF LTE-TDD (SC-FDMA, 18R, 15 MHz, 16-QAM) LTE-TDD 9.48 ± 9.6 % 10241 CAA LTE-TDD (SC-FDMA, 06% RB, 1.4 MHz, 46-QAM) LTE-TDD 9.86 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 06% RB, 1.4 MHz, 46-QAM) LTE-TDD 9.86 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 06% RB, 1.4 MHz, 46-QAM) LTE-TDD 9.06 ± 9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 0FSK) LTE-TDD 9.06 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 0FSK) LTE-T			LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10236 CAF LIE-TDD 9.21 ±9.6 % 10236 CAF LIE-TDD 1026 ±9.6 % 10236 CAF LIE-TDD 1026 ±9.6 % 10237 CAF LIE-TDD 1025 ±9.6 % 10238 CAF LIE-TDD 1025 ±9.6 % 10239 CAF LIE-TDD 10.25 ±9.6 % 10240 CAF LIE-TDD 10.25 ±9.6 % 10240 CAF LIE-TDD 10.25 ±9.6 % 10241 CAA LIE-TDD 10.25 ±9.6 % 10242 CAA LIE-TDD 10.86 ±9.6 % 10243 CAA LIE-TDD 10.65 ±9.6 % 10244 CAC LIE-TDD 10.66 ±9.6 % 10244 CAC LIE-TDD 10.06 ±9.6 % 10245 CAC LIE-TDD 10.06 ±9.6 % 10246 CAC LIE-TDD 10.06 ±9.6 % 102			LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	
10236 CAF LTE-TDD 9.48 ± 9.6 % 10236 CAF LTE-TDD 10.25 ± 9.6 % 10237 CAF LTE-TDD 10.25 ± 9.6 % 10238 CAF LTE-TDD 10.26 ± 9.6 % 10239 CAF LTE-TDD 10.25 ± 9.6 % 10239 CAF LTE-TDD 10.25 ± 9.6 % 10240 CAF LTE-TDD 10.25 ± 9.6 % 10241 CAA LTE-TDD 10.25 ± 9.6 % 10242 CAA LTE-TDD 10.26 ± 9.6 % 10242 CAA LTE-TDD 10.26 ± 9.6 % 10244 CAC LTE-TDD 10.06 ± 9.6 % 10244 CAF LTE-TDD 10.06 ± 9.6 % 10244 CAF LTE-TDD 10.07 ± 9.6 %		CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)			
10236 CAF LIE-TDD 10.25 ± 9.6 % 10237 CAF LITE-TDD (SC-FDMA, 1 RB, 10 MHz, 0PSK) LITE-TDD 9.48 ± 9.6 % 10238 CAF LITE-TDD (SC-FDMA, 1 RB, 15 MHz, 0PSK) LITE-TDD 9.48 ± 9.6 % 10240 CAF LITE-TDD (SC-FDMA, 1 RB, 15 MHz, 0F-OAM) LITE-TDD 9.21 ± 9.6 % 10241 CAA LITE-TDD (SC-FDMA, 50% RB, 14 MHz, 0F-OAM) LITE-TDD 9.82 ± 9.8 % 10242 CAA LITE-TDD (SC-FDMA, 50% RB, 14 MHz, 0F-OAM) LITE-TDD 9.86 ± 9.8 % 10243 CAA LITE-TDD (SC-FDMA, 50% RB, 3 MHz, 0F-OAM) LITE-TDD 10.06 ± 9.8 % 10246 CAC LITE-TDD (SC-FDMA, 50% RB, 5 MHz, 0F-OAM) LITE-TDD 10.06 ± 9.6 % 10246 CAC LITE-TDD (SC-FDMA, 50% RB, 5 MHz, 0F-OAM) LITE-TDD 10.09 ± 9.6 % 10246 CAF LITE-TDD (SC-FDMA, 50% RB, 5 MHz, 0F-OAM) LITE-TDD 9.08 ± 9.6 %	10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)			
10237 CAF LIE-TDD 9.21 1 9.6 % 10238 CAF LITE-TDD (SC-FDMA, 1 RB, 15 MHz, 41-0AM) LITE-TDD 10.25 ± 9.6 % 10240 CAF LITE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-0AM) LITE-TDD 9.21 ± 9.6 % 10241 CAA LITE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-0AM) LITE-TDD 9.82 ± 9.6 % 10242 CAA LITE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-0AM) LITE-TDD 9.46 ± 9.6 % 10243 CAA LITE-TDD (SC-FDMA, 50% RB, 31 MLz, QPSK) LITE-TDD 10.06 ± 9.6 % 10244 CAC LITE-TDD (SC-FDMA, 50% RB, 31 MLz, QPSK) LITE-TDD 10.06 ± 9.6 % 10246 CAC LITE-TDD (SC-FDMA, 50% RB, 51 MHz, QPSK) LITE-TDD 9.01 ± 9.6 % 10247 CAF LITE-TDD (SC-FDMA, 50% RB, 51 MHz, QPSK) LITE-TDD 9.01 ± 9.6 % 10250 CAF LITE-TDD (SC-FDMA, 50% RB, 10 MHz, GA-QAM) LITE-TDD 9.02 ± 9.6 %		CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)			
10238 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM) LTE-TDD 9.48 ± 9.6 % 10240 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM) LTE-TDD 9.21 ± 9.6 % 10241 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-TDD 9.82 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM) LTE-TDD 9.86 ± 9.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 16-QAM) LTE-TDD 9.46 ± 9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 0FSK) LTE-TDD 9.30 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 0FSK) LTE-TDD 9.30 ± 9.6 % 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0FOAM) LTE-TDD 9.30 ± 9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0FOAM) LTE-TDD 9.21 ± 9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0FOAM) LTE-TDD 9.24 ± 9.6 % 10250 CA	10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)			
19239 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-TDD 19.25 ± 9.6 % 10240 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-TDD 9.82 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-TDD 9.86 ± 9.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, QFSK) LTE-TDD 9.46 ± 9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, QFSK) LTE-TDD 10.06 ± 9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, QFSK) LTE-TDD 9.30 ± 9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 51 MHz, QFSK) LTE-TDD 9.91 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 04-QAM) LTE-TDD 9.91 ± 9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 04-QAM) LTE-TDD 9.91 ± 9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM) LTE-TDD 9.21 ± 9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM) LTE-TDD 9.24 ± 9.6 % 10251	10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)			
10240 CAF LTE-TDD (SC-FDMA, 188, 15 MHz, QPSK) LTE-TDD 9.21 19.8% 10241 CAA LTE-TDD (SC-FDMA, 50%, RB, 14 MHz, 16-QAM) LTE-TDD 9.82 ±9.6% 10242 CAA LTE-TDD (SC-FDMA, 50%, RB, 14 MHz, 16-QAM) LTE-TDD 9.86 ±9.6% 10243 CAA LTE-TDD (SC-FDMA, 50%, RB, 31M+z, 16-QAM) LTE-TDD 9.46 ±9.6% 10244 CAC LTE-TDD (SC-FDMA, 50%, RB, 31M+z, 16-QAM) LTE-TDD 10.06 ±9.6% 10246 CAC LTE-TDD (SC-FDMA, 50%, RB, 51M+z, 0FSA) LTE-TDD 9.91 ±9.6% 10247 CAF LTE-TDD (SC-FDMA, 50%, RB, 51M+z, 0FSA) LTE-TDD 9.91 ±9.6% 10248 CAF LTE-TDD (SC-FDMA, 50%, RB, 51M+z, 0FSA) LTE-TDD 9.28 ±9.6% 10249 CAF LTE-TDD (SC-FDMA, 50%, RB, 10M+z, 0FSA) LTE-TDD 9.81 ±9.6% 10251 CAF LTE-TDD (SC-FDMA, 50%, RB, 10M+z, 0FSK) LTE-TDD 9.24 ±9.6% 10252 CAF LTE-TDD (SC-FDMA, 50%, RB, 15 MHz, 0FSAM) LTE-TDD		CAF				
10241 CAA LTE-TDD 9.82 ± 9.6 % 10242 CAA LTE-TDD 9.86 ± 9.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, G4-OAM) LTE-TDD 9.46 ± 9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-OAM) LTE-TDD 10.06 ± 9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-OAM) LTE-TDD 9.30 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-OAM) LTE-TDD 9.30 ± 9.6 % 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 6 MHz, 64-OAM) LTE-TDD 9.01 ± 9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-OAM) LTE-TDD 9.29 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-OAM) LTE-TDD 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-OAM) LTE-TDD 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-OAM) LTE-TDD 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-OAM) LTE-TDD 9.06 % <td></td> <td>CAF</td> <td></td> <td></td> <td></td> <td></td>		CAF				
10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM) LTE-TDD 9.66 19.6 % 10243 CAA LTE-TDD (SC-FDMA, 50% RB, 314 MHz, QPSK) LTE-TDD 9.46 19.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 314Hz, 04-QAM) LTE-TDD 10.06 19.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 314Hz, 04-QAM) LTE-TDD 9.30 19.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 514Hz, 04-QAM) LTE-TDD 9.30 19.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 514Hz, 04-QAM) LTE-TDD 9.20 19.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 50 MHz, 04-QAM) LTE-TDD 9.21 9.8 6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM) LTE-TDD 9.0 4 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 04-QAM) LTE-TDD 10.1 4 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 10.4 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 10.1 4 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 04-QAM) LTE		***********				
10243 CAA LTE-TDD (SC-FDMA, 50%, RB, 14, MHz, OPSK) LTE-TDD 9.46 49.6 % 10244 CAC LTE-TDD (SC-FDMA, 50%, RB, 3 MHz, G4-QAM) LTE-TDD 10.06 ±9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50%, RB, 3 MHz, G4-QAM) LTE-TDD 9.30 ±9.6 % 10247 CAC LTE-TDD (SC-FDMA, 50%, RB, 5 MHz, G4-QAM) LTE-TDD 9.30 ±9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50%, RB, 5 MHz, G4-QAM) LTE-TDD 9.29 ±9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, G4-QAM) LTE-TDD 9.24 ±9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, QPSK) LTE-TDD 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, 16-QAM) LTE-TDD 9.04 8.6 % 10255 CAF LTE-TDD (SC-FDMA, 50%, RB, 15 MHz, 16-QAM) LTE-TDD 9.06 8.6 % 10256		CAA			r	
10244 CAC LTE-TDD 0.00 #30.8 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 9.01 #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, 64-QAM) LTE-TDD 9.29 #9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM) LTE-TDD 9.24 #9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.04 #9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.04 #9.6 % 10255 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.04 #9.6 % 10256 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.06 #9.6 %					1	
10245 CAC LTE-TDD 102.6 10.66 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, CPSK) LTE-TDD 9.30 ± 9.6 % 10247 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-TDD 9.09 ± 9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-TDD 9.29 ± 9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 6 MHz, QPSK) LTE-TDD 9.29 ± 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, 64-QAM) LTE-TDD 9.81 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 9.0 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-TDD 9.0 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD 9.0 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 4PSK) LTE-TDD 9.						
19246 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 10.09 ± 9.6 % 10248 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 10.17 ± 9.6 % 10251 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 10.14 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 10.14 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.04 ± 9.6 % 10255 CAF 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 9.08 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QA-QM)	10245		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)			
10247 CAF LTE-TDD 9.91 ±9.6 % 10248 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, 5 MHz, 64-QAM) LTE-TDD 9.29 ±9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-TDD 9.24 ±9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.24 ±9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM) LTE-TDD 9.24 ±9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM) LTE-TDD 10.14 ±9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM) LTE-TDD 9.01 ±9.6 % 10255 CAF LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.02 ±9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, G4-QAM) LTE-TDD 9.08 ±9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, G4-QAM) LTE-TDD 9.33 ±9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, G4-QA				**************************************		
10248 CAF LTE-TDD Solver 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, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 04-QAM) LTE-TDD 9.01 ± 9.6 % 10256 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-TDD 9.01 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 04-QAM) LTE-TDD 9.08 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 10.8 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.34 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0FSM) LTE-TDD 9.24 ± 9.6 % <	<u>}</u>					
10249 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.03 ± 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 9.24 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD 9.01 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 46-QAM) LTE-TDD 9.01 ± 9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G4-QAM) LTE-TDD 9.20 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, G4-QAM) LTE-TDD 9.36 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.38 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.38 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.38 ± 9.6 % 10262 CAF LTE-TDD (SC-FDM			LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)		· · · · · · · · · · · · · · · · · · ·	
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, QPSK) LTE-TDD 9.24 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.0 ± 9.6 % 10255 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, QPSK) LTE-TDD 9.96 ± 9.6 % 10258 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 9.92 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)			LTE-TDD (SC-FDMA, 50% RB, 5 MHz, OPSK)			
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 9.00 ±9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-TDD 9.20 ±9.6 % 10255 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) 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, 16-QAM) LTE-TDD 9.34 ±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, QPSK) LTE-TDD 9.24 ±9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.24 ±9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ±9.6 % 10264 CAF </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 04-QAM) LTE-TDD 9.02 ±9.6 % 10255 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 04-QAM) 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 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.96 ±9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0FAM) LTE-TDD 9.93 ±9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.97 ±9.6 % 10262 CAC 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 9.23 ±9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)		-				
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, 64-QAM) LTE-TDD 9.20 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.90 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.34 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 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, 0PSK) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.83 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.23 ± 9.6 % 10266 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 16-QAM) LTE-TDD 9.94 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3.4 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3.4 MHz, G4-QAM) LTE-TDD 9.97 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 5.4 MHz, G4-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5.4 MHz, G4-QAM) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5.4 MHz, G4-QAM) LTE-TDD 9.33 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 9.23 ± 9.6 %						
10255 CAF LTE-TDD SO: 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 9.96 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) 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, 16-QAM) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK) LTE-TDD 9.24 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK) LTE-TDD 9.23 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.02 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.02 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 10						
10256 CAA LTE-TDD SSC ± 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, QPSK) LTE-TDD 9.34 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.97 ± 9.6 % 10261 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 06-QAM) LTE-TDD 9.24 ± 9.6 % 10262 CAF 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, 0F-QAM) LTE-TDD 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 10.07 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0F-QAM) LTE-TDD 10.06						
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 9.93 ± 9.6 % 10260 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 04-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 9.23 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, G4-QAM) LTE-TDD 10.16 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 9.07 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 9.07 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM) LTE-TDD 10.07 ± 9.6 % 10268 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, G4-QAM) LTE-TDD 9.23 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, G4-QAM) LTE-TDD 9.83 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 9.23 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, G4-QAM) LTE-TDD 10.07 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM) LTE-TDD 10.07 ± 9.6 % 10268 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 10.06 ± 9.6 %						
10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-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 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.23 ± 9.6 % 10265 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 06-QAM) LTE-TDD 9.92 ± 9.6 % 10266 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 06-QAM) LTE-TDD 9.30 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 06-QAM) LTE-TDD 9.30 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 06-QAM) LTE-TDD 10.06 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM) LTE-TDD 10.13 ± 9.6 % 10270 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 16-QAM) LTE-TDD 9.23 ± 9.6 % 10264 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM) 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 9.02 ± 9.6 % 10267 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM) LTE-TDD 10.07 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-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 Re						
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 9.23 ± 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 10.06 ± 9.6 % 10268 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, G4-QAM) LTE-TDD 10.06 ± 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 3.86 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 3.96 ± 9.6 % 10276						
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, 44-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 9.30 ± 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, 0PSK) 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 3.96 ± 9.6 % 10275 CAB UMTS-F						
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, 16-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 3.96 ± 9.6 % 10275 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10276 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS <t< td=""><td></td><td></td><td>1 TE-TDD (SC-FDMA 100% RB 5 MHz 16 0AM)</td><td></td><td></td><td></td></t<>			1 TE-TDD (SC-FDMA 100% RB 5 MHz 16 0AM)			
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, 64-QAM) 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 Rel8.10) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS <td< td=""><td></td><td></td><td>LTE-TOD (SC-EDMA 100% RB 5 MHz 64 ΩΛΜ)</td><td></td><td></td><td></td></td<>			LTE-TOD (SC-EDMA 100% RB 5 MHz 64 ΩΛΜ)			
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, 10 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10269 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 9.6 % 10270 CAF LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) 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						
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, 64-QAM) LTE-TDD 9.58 ± 9.6 % 10274 CAB UMTS-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 9.6 % 10275 CAB UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 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 ± 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 (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 ± 9.6 % 10291 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39						
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 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % </td <td></td> <td></td> <td>LTE-TOD (SC-EDMA 100% DR 10 MHZ, 04-QAW)</td> <td></td> <td></td> <td></td>			LTE-TOD (SC-EDMA 100% DR 10 MHZ, 04-QAW)			
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 Rel8.10) WCDMA 3.96 ± 9.6 % 10277 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10278 CAA PHS (QPSK) PHS 11.81 ± 9.6 % 10279 CAA PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS 11.81 ± 9.6 % 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 9.6 % 10291 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10292 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 9.6 % 10293						
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 Rel8.10) 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 3.46 ± 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 % 10293 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 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 AAB CDMA2000, RC1, SO% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 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, SO32, 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 % 10297 AAB CDMA2000, RC1, SO% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 102						
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 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10293 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 % 10297 AAD LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 9.6 % 10298 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 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 %						
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, SO55, Full Rate CDMA2000 3.46 ± 9.6 % 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, 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, SO32, 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 % 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, SO32, Full Rate CDMA2000 3.50 ± 9.6 % 10295 AAB CDMA2000, RC1, SO3, Full Rate 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 %						
10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 9.6 % 10293 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 % 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 %						
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 %						
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 %						
10299 AAD LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-FDD 6.39 ± 9.6 %						
	10299	AAD	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 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	± 9.6 %
0303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6 %
0304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6 %
0305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WIMAX	15.24	± 9.6 %
10306	AAA	symbols) JEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WIMAX	14.67	± 9.6 %
10307	AAA	symbols) IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WIMAX	14.49	±9.6 %
10308	AAA	symbols) 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	WIMAX	14.57	± 9.6 %
		symbols)			±9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	
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	<u>±9.6 %</u> ±9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	<u>8.36</u> 8.36	$\pm 9.6\%$ $\pm 9.6\%$
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN		$\pm 9.6\%$
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	
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 %
0356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
0387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
0388	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 %
0400	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 Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	± 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 %
10419	AAA	Long preambule) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 °
40400	-	Short preambule) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 9
10422	AAB	IEEE 002.1111 (T1 Oreeffield, 7.2 Mups, DFOR)	WLAN	8.47	± 9.6 9
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.40	± 9.6 °
10424	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	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	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, 15 MHz, E-TM 3.1)		8.34	± 9.6
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.60	± 9.6 ± 9.6
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)			± 9.6
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6
	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6
10446				3 7 64	1 +064
<u>10448</u> 10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 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	±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 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 %

10100			LTE-TDD	0.44	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)		8.41	
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 %
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 %

EX3DV4-- SN:3589

······		·····			•
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		
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	**************************************	8.52	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10561	AAC	IEEE 802.11ac WiFI (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10563	AAC	IEEE 802.11ac WIFI (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10564		IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6%
10004	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
10565					
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
40500					
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	±9.6 %
40507					
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	±9.6 %
40500					L
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	±9.6 %
40500	<u> </u>	cycle)			
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	±9.6 %
10570		cycle)			
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	±9.6 %
10571	<u> </u>	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 %
L		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 %
	<u> </u>	cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
	<u> </u>	cycle)			
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
1	1	cycle)			
	1		WLAN	8.76	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	1110	0.10	
		cycle)		0.10	
10580 10581	AAA AAA		WLAN	8.35	± 9.6 %
10581		cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)			± 9.6 %
		cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty			± 9.6 %
10581	AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	
10581	AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.35	
10581 10582	AAA AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN WLAN WLAN	8.35 8.67 8.59	± 9.6 %
10581 10582 10583	AAA AAA AAB	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN WLAN WLAN WLAN	8.35 8.67 8.59 8.60	± 9.6 % ± 9.6 % ± 9.6 %
10581 10582 10583 10584	AAA AAA AAB AAB	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN WLAN WLAN	8.35 8.67 8.59	± 9.6 %

EX3DV4-- SN:3589

				0.70	+06%
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76 8.35	±9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN	8.67	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20MHz, MCS4, 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 AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.50	±9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 20MHz, 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, 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	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	<u>±96%</u>
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 8.86	± 9.6 % ± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN		$\pm 9.6\%$
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN WLAN	<u>8.87</u> 8.77	$\pm 9.6\%$
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	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) IEEE 802.11ac WiFi (40MHz, MCS9, 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)	WLAN	8.88	± 9.6 %
10627	AAB	IEEE 802.11ac WiFI (dolWiF2, MCS1, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10628 10629	AAB AAB	IEEE 802.11ac WiFI (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10629	AAB	IEEE 802.11ac Will (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10631	AAB	IEEE 802.11ac Will (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10632	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	± 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	$\pm 9.6\%$
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3,45	$\pm 9.6\%$
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 % ± 9.6 %
10653	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42 6.96	$\pm 9.6\%$ $\pm 9.6\%$
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	0.90	1 - 5.0 /0

EX3DV4- SN:3589

January 25, 2019

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

PC Test

Client

Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

A

Accreditation No.: SCS 0108

S

С

S

Client	PC Test		Certificate No: EX3-7308_Aug18
CAL	BRATION	CERTIFICATE	
Object		EX3DV4 - SN:7308	
Calibratio	on procedure(s)	QA CAL-01:v9, QA CAL-14:v4, QA Calibration procedure for dosimetal	CAI-23:v5, QA CAL-25.v6 c.E.flield probes
Calibratio	on date:		09-06-20
This calit The mea	pration certificate docur surements and the unc	nents the traceability to national standards, which rea ertainties with confidence probability are given on the	alize the physical upite of measurements (a)

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.)	
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Scheduled Calibration
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
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Apr-19
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18 Dec-18
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)	
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-17)	In house check: Jun-20
			In house check; Oct-18

.	Name	Function	Signature	
Calibrated by:	Jeton Kastrati	Laboratory Technician	Acl	1
Approved by:	Katja Pokovic		le	Ľ,
			Issued: August 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

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	
	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization 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., $\vartheta = 0$ is normal to probe axis
Compositor Analy	

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).

Accreditation No.: SCS 0108

Probe EX3DV4

SN:7308

Manufactured: Calibrated:

March 11, 2014 August 23, 2018

Calibrated for DASY/EASY Systems (Note: non-compatible with DASY2 system!)

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.49	0.60	0.44	± 10.1 %
DCP (mV) ^B	99.6	97.1	102.5	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dBõV	C	D dB	VR mV	Unc ^E (k=2)
0	CW	x	0.0	0.0	1.0	0.00	177.2	±3.5 %
		Y	0.0	0.0	1.0		165.4	
		Z	0.0	0.0	1.0		159.6	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V⁻²	T2 ms.V ^{~1}	T3 ms	T4 V⁻²	T5 V ⁻¹	T6
<u> </u>	53.71	401.2	35.76	12.80	0.351	5.077	0.717	0.413	1.005
<u>Y</u>	56.67	439.8	38.08	13.44	0.524	5.100	0.000	0.597	1.012
Z	40.98	304.1	35.29	8.573	0.334	5.045	1.531	0.174	1.005

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

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

^e 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.

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.23	10.23	10.23	0.57	0.81	± 12.0 %
835	41.5	0.90	9.96	9.96	9.96	0.58	0.81	± 12.0 %
1750	40.1	1.37	8.66	8.66	8.66	0.36	0.80	± 12.0 %
1900	40.0	1.40	8.26	8.26	8.26	0.29	0.85	± 12.0 %
2300	39.5	1.67	7.81	7.81	7.81	0.29	0.85	± 12.0 %
2450	39.2	1.80	7.45	7.45	7.45	0.35	0.91	± 12.0 %
2600	39.0	1.96	7.30	7.30	7.30	0.35	0.87	± 12.0 %
5250	35.9	4.71	5.10	<u>5.</u> 10	5.10	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	5.04	5.04	5.04	0.40	1.80	± 13.1 %

Calibration Parameter Determined in Head Tiss	ue Simulating Media
Determined in flead 1155	ue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. 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

measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ⁶ 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:7308

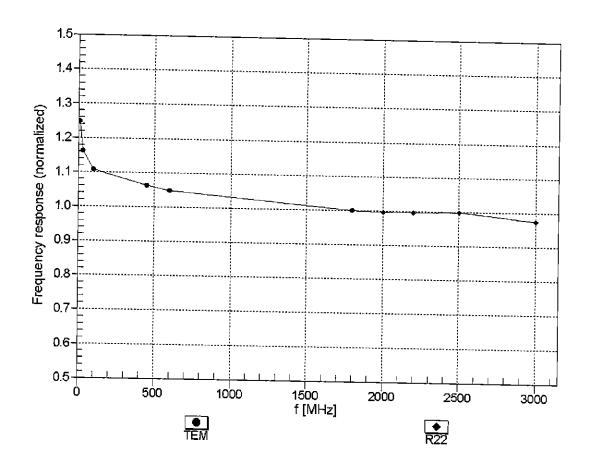
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.38	10.38	10.38	0.36	0.99	± 12.0 %
835	55.2	0.97	10.19	10.19	10.19	0.50	0.82	± 12.0 %
1750	53.4	1.49	8.13	8.13	8.13	0.27	1.04	± 12.0 %
1900	53.3	1.52	7.79	7.79	7.79	0.38	0.85	± 12.0 %
2300	52.9	1.81	7.73	7.73	7.73	0.37	0.80	± 12.0 %
2450	52,7	1.95	7.57	7.57	7.57	0.34	0.88	± 12.0 %
2600	52.5	2.16	7.40	7.40	7.40	0.29	0.95	<u> </u>
5250	48.9	5.36	4.48	4.48	4.48	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.00	4.00	4.00	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.18	4.18	4.18	0.50	1.90	<u>+ 13.1 %</u>

Calibration Parameter Determined in Body Tissue Simulating Media	issue Simulating Media
--	------------------------

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. 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

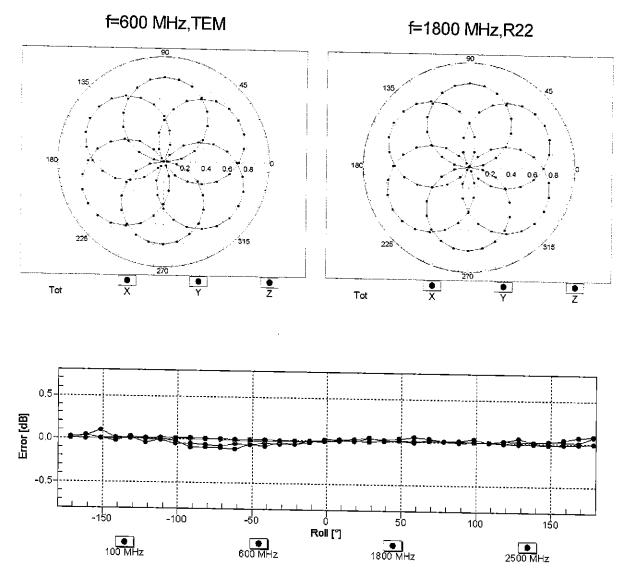
measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip



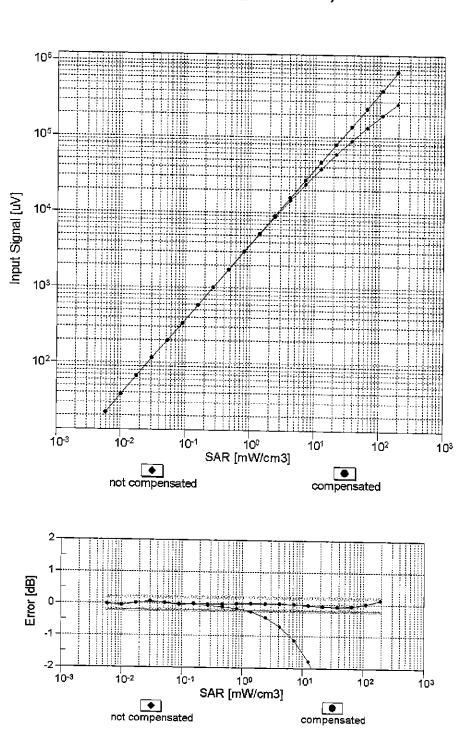
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



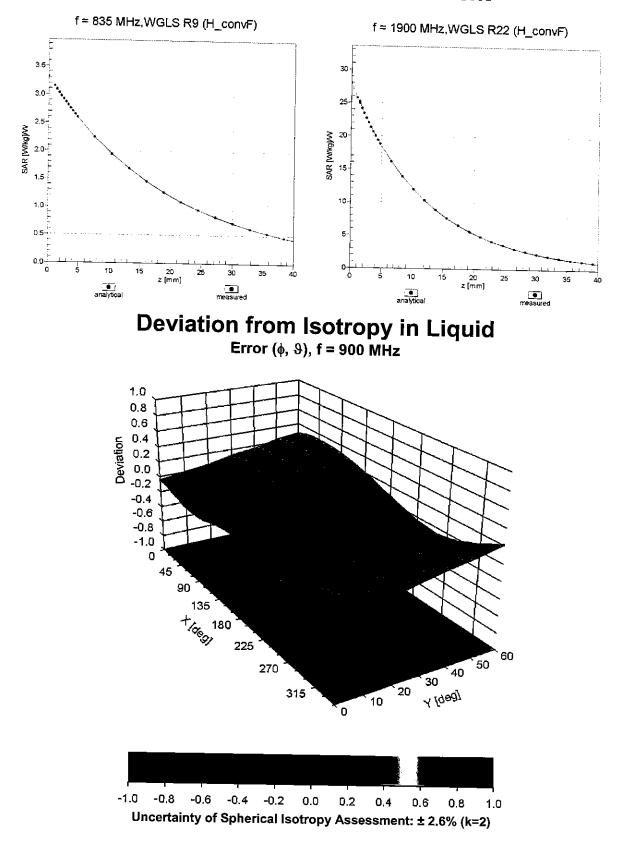
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)

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



Conversion Factor Assessment

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	
Mechanical Surface Detection Mode	108.5
	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	
Tip Length	10 mm
	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	
Probe Tip to Sensor Z Calibration Point	1 mm
	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	177.2	± 3.5 %
		Y	0.00	0.00	1.00		165.4	
10010-		Z	0.00	0.00	1.00		159.6	
<u>CAA</u>	SAR Validation (Square, 100ms, 10ms)	X	2.71	68.17	11.26	10.00	20.0	± 9.6 %
		Y	2.39	66.64	10.67		20.0	
10011-	UMTS-FDD (WCDMA)	ZX	1.90	64.26	9.03	<u> </u>	20.0	
<u>CAB</u>			1.19	70.37	17.06	0.00	150.0	±9.6 %
		<u>Y</u>	0.96	66.50	14.51		150.0	
10012-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z X	1.05	68.92	16.00		150.0	
CAB	Mbps)		1.18	64.67	16.08	0.41	150.0	±9.6 %
	+ <u></u>	Y	1.11	63.43	15.04		150.0	
10013-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	<u>1.13</u>	64.11	15.48		150.0	
	OFDM, 6 Mbps)	X	4.93	66.75	17.26	1.46	150.0	± 9.6 %
		Ŷ	4.92	66.47	17.15		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z	4.74	66.75	17.08		150.0	
DAC		×	100.00	114.38	27.28	9.39	50.0	± 9.6 %
	<u> </u>	Y	100.00	_114.83_	27.64		50.0	
10023-		Z	100.00	109.69	24.90		50.0	
DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	113.94	27.13	9.57	50.0	±9.6 %
		Y	100.00	114.49	27.54		50.0	
10004		Z	100.00	109.21	24.74		50.0	_
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	115.48	26.77	6.56	60.0	± 9.6 %
		Y	100.00	_114.18	26.29		60.0	
40005		Z	100.00	109.85	23.86		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	6.22	84.66	34.29	12.57	50.0	±9.6%
40000		Ŷ	4.94		29.94	_	50.0	
		Z	5.36	79.88	31.57		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	×	11.81	100.22	36.35	9.56	60.0	±9.6 %
		Y	11.10	97.75	35.30		60.0	
10007		Z	7.89	90.81	32.78		60.0	_
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.27	27.22	4.80	80.0	± 9.6 %
		Y	100.00	<u>114.44</u>	25.61		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Z X	_100.00 100.00	<u>111.67</u> 122.72	23.86 28.40	3.55	80.0 100.0	± 9.6 %
		Y	100.00	114.80	25.04		100.0	
	<u> </u>	z	100.00	114.83	25.04		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	6.56	85.50	29.56	7.80	80.0	±9.6 %
		Y	6.53	84.80	29.16		80.0	
10020		Z	4.80	79.03	26.78		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	×	100.00	114.96	26.10	5.30	70.0	±9.6%
		Y_	100.00	<u>11</u> 2.69	25.18		70.0	-
		<u>Z</u>	100.00	108.37	22.73		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	126.84	28.53	1.88	100.0	± 9.6 %
		Y	100.00	105.21	19.68		100.0	
		Z	100.00	108.61	20.59		100.0	

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	146.53	35.02	1.17	100.0	± 9.6 %
		Ŷ	100.00	95.65	15.05	<u>-</u>	100.0	
		Z	100.00	112.23	21.08		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	133.98	36.90	5.30	70.0	± 9.6 %
		Y	94.91	132.14	36.35		70.0	
		Z	24.70	106.96	28.52		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	8.70	95.28	25.33	1.88	100.0	±9.6 %
		Y	4.18	83.23	21.11	<u> </u>	100.0	<u>+</u>
		Z	3.97	82.01	19.44		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	3.83	83.82	21.38	1.17	100.0	± 9.6 %
		Y	2.23	74.99	17.69		100.0	
		<u>Z</u>	2.33	75.94	16.98		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	134.50	37.14	5.30	70.0	± 9.6 %
		Y	100.00	133.48	36.76		70.0	
40007		Z	56.60	119.91	31.85		70.0	<u> </u>
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	×	7.69	93.53	24.78	1.88	100.0	±9.6 %
		Y	3.89	82.31	20.76		100.0	
		Z	3.40	80.12	18.77		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	3.93	84.59	21.78	1.17	100.0	± 9.6 %
		Y	2.28	75.57	18.03		100.0	· · ·
		Z	2.38	76.51	17.34		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	×	2.78	78.14	18.71	0.00	150.0	± 9.6 %
		Y	1.67	70.12	14.94		150.0	
	<u> </u>	Ž	2.00	74.01	15.76		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	X	100.00	110.92	24.96	7.78	50.0	± 9.6 %
		Y	100.00	110.22	24.75	-	50.0	
		Z	100.00	106.01	22.46		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	112.58	4.43	0.00	150.0	± 9.6 %
		Y	0.07	121.95	9.84		150.0	
	· · · · · · · · · · · · · · · · · · · . .	Z	0.01	118.94	9.83		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	111.48	27.44	13.80	25.0	± 9.6 %
		Y	100.00	112.85	28.28		25.0	
10049-		Z	18.65	86.54	19.90		25.0	
CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	100.00	112.40	26.75	10.79	40.0	± 9.6 %
	<u> </u>	Y	100.00	113.42	27.38		40.0	
40050		Ζ	46.23	99.19	22.45		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	126.85	34.82	9.03	50.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	100.00	126.84	34.96		50.0	
10058-		Z	73.14	116.99	30.84		50.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.87	79.06	26.07	6.55	100.0	± 9.6 %
	<u> </u>	Y	4.89	78.72	25.82		100.0	
10059-		Z	3.78	74.24	23.87		100.0	
CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	x	1.24	66.08	16.89	0.61	110.0	± 9.6 %
	<u> </u>	Y	1.15	64.70	15.80		110.0	
10060-		_ Z	1.15	65.12	16.08		110.0	
CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	× 1	100.00	145.11	38.67	1.30	110.0	± 9.6 %
		Y	100.00	138.14	35.54		110.0	-
		Z	100.00	143.13	37.45			

EX3DV4-SN:7308

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	5.01	92.44	27.34	2.04	110.0	± 9.6 %
		Y	3.88	86.79	24.94	<u> </u>	110.0	
		Z	2.64	81.37	23.02	<u>├</u>	110.0	
10062- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.74	66.80	16.70	0.49	100.0	±9.6 %
		Y	4.72	66.44	16.52		100.0	
		Z	4.55	66.78	16.53		100.0	· ·
10063- CAC 10064-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.76	66.90	16.81	0.72	100.0	± 9.6 %
		Υ	4.74	66.55	16.64		100.0	
		Z	4.57	66.86	16.62		100.0	
CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.07	67.18	17.05	0.86	100.0	±9.6 %
		Y	5.06	66.88	16.91		100.0	
10065-		Z	4.83	67.08	16.83		100.0	
CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.93	67.08	17.15	1.21	100.0	± 9.6 %
		Y	4.92	66.80	17.03	L.	100.0	
10066-		Z	4.69	66.95	16.91		100.0	
CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.95	67.11	17.33	1.46	100.0	± 9.6 %
		Y	4.94	66.84	17.22		100.0	
40007		Z	4.70	66.94	17.07		100.0	
10067- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.22	67.17	17.72	2.04	100.0	± 9.6 %
		Y	5.23	66.94	17.65		100.0	
		Z	4.99	67.15	17.52		100.0	
10068- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.28	67.31	17.99	2.55	100.0	± 9.6 %
		Y	5.30	67.12	17.95		100.0	
		Ž	5.01	67.08	17.69		100.0	
10069- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.36	67.24	18.15	2.67	100.0	± 9.6 %
		Y	5.38	67.05	18.11		100.0	
		Z	5.09	67.11	17.88		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.01	66.83	17.56	1.99	100.0	±9.6 %
		Y	5.01	66.58	17.48		100.0	
		Z	4.83	66.80	17.36	·	100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.00	67.20	17.81	2.30	100.0	± 9.6 %
		Y	5.01	66.96	17.73		100.0	
		Z	4.79	67.07	17.56		100.0	
10073- CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.05	67.32	18.13	2.83	100.0	± 9.6 %
		Y	5.06	67.11	18.07		100.0	
		Z	4.84	67.21	17.87		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.01	67.17	18.27	3.30	100.0	± 9.6 %
		Y	5.03	66.98	18.23		100.0	
		Z	4.82	67.10	18.01		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.05	67.33	18.61	3.82	90.0	± 9.6 %
		Y	5.08	67.18	18.60		90.0	
406-5		Z	4.84	67.13	18.28		90.0	
10076- CAB	IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.04	67.01	18.67	4.15	90.0	± 9.6 %
		Y	5.06	66.85	18.66		90.0	· · ·
		Z	4.86	66.95	18.41		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.05	67.06	18.76	4.30	90.0	± 9.6 %
		Y	5.07	66.89	18.74		90.0	
		Z	4.89	67.03	18.52		90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	1.10	69.87	14.99	0.00	150.0	± 9.6 %
		Y	0.78	64.74	11.83		150.0	
		Z	0.78	66.34	11.97		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	0.69	60.00	4.39	4.77	80.0	± 9.6 %
		Y	0.71	60.00	4.39		80.0	
		Z	7.97	68.50	6.36		80.0	+
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	115.53	26.81	6.56	60.0	±9.6 %
		Y	100.00	114.29	26.36		60.0	
		Z	100.00	109.90	23.90		60.0	
10097- CAB	UMTS-FDD (HSDPA)	X	1.95	68.97	16.62	0.00	150.0	± 9.6 %
		Y	<u>1.75</u>	66.81	15.24		150.0	
40000		Z	1.87	68.90	16.13		150.0	
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.91	68.95	16.60	0.00	150.0	± 9.6 %
		Y	1.71	66.77	15.20		150.0	
10099-		Z	1.83	68.86	16.11		150.0	
10099- 	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	11.93	100.45	36.42	9.56	60.0	± 9.6 %
		Y	11.20	97.95	35.37		60.0	
40402		Z	7.96	90.99	32.84		60.0	<u> </u>
10100- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.40	71.76	17.45	0.00	150.0	± 9.6 %
		Y	3.10	69.82	16.33		150.0	
		Z	3.12	70.91	17.03		150.0	
10101- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.36	68.15	16.35	0.00	150.0	± 9.6 %
		Y	3.24	67.23	15.77	<u>_</u>	150.0	
10100		Z	3.17	67.74	16.07		150.0	
10102- _CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.45	68.05	16.42	0.00	150.0	± 9.6 %
		Ŷ	3.34	67.19	15.87		150.0	
		Z	3.28	67.71	16.16		150.0	
10103- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.86	77.75	21.56	3.98	65.0	± 9.6 %
		Y	6.56	76.62	21.10		65.0	~
		Z	5.69	75.27	20.45		65.0	
10104- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.41	74.58	21.07	3.98	65.0	± 9.6 %
		ΓY Τ	6.33	74.04	20.86		65.0	
4040-		Z	5.58	72.74	20.11		65.0	<u> </u>
10105- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.09	73.43	20.88	3.98	65.0	± 9.6 %
		Y	6.03	72.95	20.69		65.0	
10100		Z	5.24	71.29	19.75		65.0	-
10108- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.97	70.94	17.29	0.00	150.0	± 9.6 %
		Y.	2.72	69.08	16.17		150.0	
10109-		Z	2.70	70.20	16.88		150.0	· · · · ·
CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.02	68.05	16.32	0.00	150.0	± 9.6 %
	<u> </u>	Y	2.90	67.02	15.66		150.0	
10110-		Z	2.83	67.71	15.99		_150.0	
CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.42	70.09	17.00	0.00	150.0	±9.6 %
	<u> </u>	Y	2.21	68.14	15.78		150.0	
10111-		Z	2.18	69.46	16.49		150.0	
10111- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.76	69.06	16.78	0.00	150.0	±9.6 %
<u>-</u>		Y	2.59	67.59	15.88		150.0	·
		Z	2.59	68.99	16.39		150.0	

CAF	MHz, 64-QAM)	[3.14	67.97	16.35	0.00	150.0	± 9.6 %
		Y	3.03	67.00	15.72		150.0	<u> </u>
10110		Z	2.95	67.72	16.05		150.0	<u> </u>
10113- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.92	69.11	16.87	0.00	150.0	± 9.6 %
		Y	2.75	67.72	16.02		150.0	
10114-		Ζ	2.74	69.14	16.51		150.0	
CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.18	67.31	16.57	0.00	150.0	± 9.6 %
		Y	<u>5.14</u>	66.93	16.36		150.0	
10115-	IEEE 802.11n (HT Greenfield, 81 Mbps,	Z	5.02	67.26	16.48		150.0	
	16-QAM)	X	5.52	67.57	16.70	0.00	150.0	± 9.6 %
		Y	5.51	67.29	16.56		150.0	
10116-	IEEE 802.11n (HT Greenfield, 135 Mbps,	Z	5.27	67.30	16.50		150.0	
CAC	64-QAM)	X	5.29	67.56	16.61	0.00	150.0	± 9.6 %
		Y	5.27	67.21	16.43		150.0	
10117-	IEEE 802.11n (HT Mixed, 13.5 Mbps,	Z	5.10	67.44	16.50		150.0	
_CAC	BPSK)	X	5.16	67.25	16.55	0.00	150.0	± 9.6 %
		Y	5.13	66.89	16.36		150.0	
10118-		_ <u>Z</u>	4.99	67.15	16.44		150.0	
CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.59	67.74	16.79	0.00	150.0	± 9.6 %
		Y	5.60	67.49	16.67		150.0	
10119-		Z	5.34	67.49	16.60		150.0	
CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	5.26	67.49	16.59	0.00	150.0	± 9.6 %
<u> </u>		Y	5.24	<u>67</u> .15	16.41		150.0	
10140-		Z	5.09	67.40	16.49	-	150.0	
CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.50	68.05	16.33	0.00	150.0	±9.6 %
		Y	3.39	<u>67.1</u> 9	15.79		150.0	
10141-		Z	3.30	67.72	16.07		150.0	
	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.62	68.10	16.48	0.00	150.0	± 9.6 %
		Y	3.51	67.27	15.96		150.0	
10142-	LTE-FDD (SC-FDMA, 100% RB, 3 MHz,	<u>Z</u> .	3.43	67.85	16.25		150.0	
	QPSK)	X	2.22	70.35	16.88	0.00	150.0	±9.6 %
	+	<u>Y</u>	1.98	67.98	15.45		150.0	
10143-	LTE-FDD (SC-FDMA, 100% RB, 3 MHz,	Z	1.97	69.67	16.10		150.0	
CAE	16-QAM)	X	2.70	70.21	16.79	0.00	150.0	± 9.6 %
		Y	2.44	68.12	15.58		150.0	
10144-	LTE-FDD (SC-FDMA, 100% RB, 3 MHz,	Z	2.48	69.97	16.00		150.0	
CAE	64-QAM)	X	2.42	67.64	15.07	0.00	150.0	± 9.6 %
		Y	2.26	66.15	14.15		150.0	
10145-	LTE-FDD (SC-FDMA, 100% RB, 1.4	_ <u>Z</u>	2.13	66.86	13.96		150.0	
<u>CAF</u>	MHz, QPSK)	X	1.54	68.23	14.00	0.00	150.0	± 9.6 %
		Y	1.25	64.93	12.03		150.0	
10146-	LTE-FDD (SC-FDMA, 100% RB, 1.4	<u>Z</u>	1.00	63.72	10.21		150.0	
CAF	MHz, 16-QAM)	X	2.38	68.67	13.30	0.00	150.0	± 9.6 %
		<u>Y</u>	2.63	70.03	14.41		150.0	
10147-	LTE-FDD (SC-FDMA, 100% RB, 1.4	<u>- Z</u>	1.37	62.94	8.80		150.0	
CAF	MHz, 64-QAM)	X	3.01	71.74	14.81	0.00	150.0	± 9.6 %
	<u> </u>	Y	3,44	73.73	<u>16.</u> 16		150.0	
		Z	1.50	63.86	9.38		150.0	

CAE D4-QAN Y 3.03 67.05 15.76 150.0 10151- CAF LTE-TDD [SC-FDMA, 50% RB, 20 MHz, QPSK) X 7.33 80.62 22.85 3.98 65.0 ± 9.6 10152- CAF QPSK) Y 6.93 79.21 22.28 65.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X 5.98 74.73 20.92 3.98 65.0 ± 9.6 10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X 5.98 74.71 20.82 65.0 ± 9.6 10153- CAF G4-QAM) Y 6.33 76.57 21.65 3.98 65.0 ± 9.6 10154- CAF GEC-FDMA, 50% RB, 10 MHz, Z Z.49 70.63 17.32 0.00 150.0 ± 9.6 10154- CAF UTE-FDD (SC-FDMA, 50% RB, 10 MHz, Z Z.249 67.59 16.39 150.0 ± 9.6 10154- CAF ITE-FDD (SC-FDMA, 50% RB, 10 MHz, Z Z.277 69.92 16.77 150.0 ± 9.6 10155- CAF ITE-FDD (SC-FDMA, 50% RB, 5 M	10149- CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.03	68.12	16.37	0.00	150.0	± 9.6 %
10150- CAE LTE-FDD (\$C-FDMA, 50% RB, 20 MHz, 44-QAM) X 3.15 68.03 16.39 0.00 150.0 ± 9.6 10151- CAF LTE-TDD (\$C-FDMA, 50% RB, 20 MHz, QPSK) X 3.15 68.03 16.39 0.00 150.0 ± 9.6 10151- QPSK) LTE-TDD (\$C-FDMA, 50% RB, 20 MHz, QPSK) X 7.33 80.62 22.85 3.98 65.0 ± 9.6 10152- LTE-TDD (\$C-FDMA, 50% RB, 20 MHz, X 5.98 74.73 20.82 3.98 65.0 ± 9.6 10152- LTE-TDD (\$C-FDMA, 50% RB, 20 MHz, X 5.98 74.73 20.82 3.98 65.0 ± 9.6 10153- LTE-TDD (\$C-FDMA, 50% RB, 20 MHz, X 5.89 74.73 20.82 3.98 65.0 ± 9.6 10154- CAF LTE-TDD (\$C-FDMA, 50% RB, 10 MHz, X 2.49 70.63 17.32 0.00 150.0 ± 9.6 10154- CAF LTE-FDD (\$C-FDMA, 50% RB, 10 MHz, X 2.24 69.87 16.06 150.0 ± 9.6 10155- LTE-FDD (\$C-FDMA, 50% RB, 10 MHz, X 2.77 69.07 16.79 0.00			Y	2.91	67.08	15.71		150.0	
10150- CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, S4-QAM) X 3.15 68.63 16.39 0.00 150.0 ± 9.6 CAE G4-QAM) Y 3.03 67.05 15.76 1160.0 190.0 10151- LTE-TDD (SC-FDMA, 50% RB, 20 MHz, CAF Y 6.93 79.21 22.28 66.0 ± 9.6 CAF CPSK) Y 6.93 79.21 22.28 66.0 ± 9.6 CAF TE-TDD (SC-FDMA, 50% RB, 20 MHz, CAF X 5.99 74.73 20.92 3.98 66.0 ± 9.6 CAF 16-QAM Y 5.89 74.72 20.82 66.0 ± 9.6 CAF 16-QAM Y 5.89 74.73 20.81 66.0 ± 9.6 CAF 12-77/7 12.06 66.0 ± 9.6 16.0 150.0 ± 9.6 CAF 64-QAM Y 2.24 69.20 16.7 16.06 150.0 ± 9.6 CAF 12-74 12.77 69.07									
10151- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) X 7.33 80.62 22.86 3.98 66.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X X 5.98 74.73 20.92 3.98 66.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X X 5.98 74.73 20.92 3.98 66.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X X 5.89 74.73 20.92 3.98 66.0 ± 9.6 10153- CAF GC-FDMA, 50% RB, 20 MHz, X X 6.33 75.57 21.65 3.98 66.0 ± 9.6 10154- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X Z 2.49 70.63 17.32 0.00 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X Z 2.77 69.07 16.77 150.0 ± 9.6 10165- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X Z 2.11 70.85 16.93 0.00 150.0 ± 9.6 10168- CAF		LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)					0.00		± 9.6 %
10151- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) X 7.33 80.62 22.86 3.98 66.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X X 5.98 74.73 20.92 3.98 66.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X X 5.98 74.73 20.92 3.98 66.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X X 5.89 74.73 20.92 3.98 66.0 ± 9.6 10153- CAF GC-FDMA, 50% RB, 20 MHz, X X 6.33 75.57 21.65 3.98 66.0 ± 9.6 10154- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X Z 2.49 70.63 17.32 0.00 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X Z 2.77 69.07 16.77 150.0 ± 9.6 10165- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X Z 2.11 70.85 16.93 0.00 150.0 ± 9.6 10168- CAF	_		Y	3.03	67.05	15.76		150 0	
10161- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, PSK) X 7.33 80.62 22.85 3.98 65.0 ± 9.6 CAF PSK) Y 6.93 79.21 22.86 65.0 ± 9.6 10152 LTE-TDD (SC-FDMA, 50% RB, 20 MHz, SCAF X 5.98 74.73 20.92 3.98 65.0 ± 9.6 10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 40-QAM) X 5.98 74.12 20.82 3.98 65.0 ± 9.6 10153- CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM) Y 6.23 74.94 21.41 65.0 ± 9.6 10154- CAF QPSK) Y 2.26 68.57 16.06 150.0 ± 9.6 10155- CAF QPSK) Y 2.26 68.57 16.06 150.0 ± 9.6 10155- CAF QPSK) Y 2.26 67.59 15.80 150.0 ± 9.6 10155- CAF QPSK Y 2.83 68.02 16.77 150.0 ± 9.6 10156- CAF QPSK Y 2.86 68.02 16.70 150.0 ± 9.6 </td <td></td> <td></td> <td>Ż</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			Ż						
10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, I-GAM) X 6.98 74.73 20.92 3.98 65.0 ± 9.6 1153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, G4-QAM) Y 5.89 74.12 20.88 65.0 ± 9.6 10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, G4-QAM) Y 6.23 74.94 21.41 65.0 10154- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.549 73.76 20.61 65.0 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.49 70.63 17.32 0.00 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.77 69.07 16.79 0.00 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)					3.98		± 9.6 %
10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, I-GAM) X 5.98 74.73 20.92 3.98 65.0 ± 9.6 10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, G-AF X 6.93 75.57 21.65 3.98 65.0 ± 9.6 10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, G-AAM) X 6.33 75.57 21.65 3.98 65.0 ± 9.6 10154- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.549 73.78 20.61 65.0 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.24 69.92 16.77 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.19 67.59 15.89 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, V 2.219 67.77 16.06 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, V 2.92			Ý	6.93	79.21	22.28		65.0	<u> </u>
10152- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X X 5.98 74.73 20.92 3.98 66.0 ± 9.6 10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, K K 5.32 72.74 19.78 65.0 10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, K K 6.33 775.57 21.65 3.98 65.0 ± 9.6 10154- CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, V 2.26 68.57 16.06 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, V 2.26 68.57 16.06 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, V 2.259 67.59 16.38 100.0 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, V 1.83 66.04 15.26 150.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>r</td>									r
10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, B4-QAM) X 6.33 75.57 21.65 3.98 65.0 ± 9.6 10154- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) Y 6.23 74.94 21.41 65.0 ± 9.6 10154- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) Y 2.26 68.57 16.06 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) Y 2.26 68.57 16.79 0.00 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 50 MHz, QPSK) Y 2.59 67.59 15.89 150.0 ± 9.6 10156- CAF QPSK) Y 2.182 69.80 15.80 150.0 ± 9.6 10157- CAF IE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.31 66.61 15.80 150.0 ± 9.6 10157- CAF IE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.31 68.61 15.80 150.0 ± 9.6 10159- CAF IE-FDD (SC-FDMA, 50% RB, 10 MHz, X 2.92 69.77 16.92 <							3.98		±9.6 %
Z 5.12 72.74 19.78 65.0 CAF 64-QAM) Y 6.33 75.57 21.65 3.98 65.0 ± 9.6 OAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, X 6.33 75.57 21.65 3.98 65.0 ± 9.6 OAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X 2.49 70.63 17.32 0.00 150.0 ± 9.6 CAF GPSK) Y 2.26 68.57 16.06 150.0 ± 9.6 10155- LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X 2.77 69.07 16.79 0.00 150.0 ± 9.6 CAF 16-QAM) Y 2.59 67.59 15.89 150.0 ± 9.6 CAF QPSK) X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10156- LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.31 68.61 15.36 0.00 150.0 ± 9.6 10157- LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X<			Y	5.89	74.12	20.68	<u> </u>	65.0	<u> </u>
10153- CAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, G4-QAM) X 6.33 75.57 21.65 3.96 65.0 ± 9.6 10164- QPSK) LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) Y 6.23 74.94 21.41 65.0 10154- QPSK) LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) X 2.49 70.63 17.32 0.00 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) X 2.277 69.07 16.79 0.00 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.31 68.04 15.26 150.0 ± 9.6 10158- LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.21 67.77 16.92 0.00 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.92 66.62 14.16 150.0 ± 9.6 16.41 150.0	_		Z	5.12					
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				6.33			3.98		±9.6 %
Z 5.49 73.78 20.61 65.0 CAF QPSK) Y 2.49 70.63 17.32 0.00 150.0 ±9.6 CAF QPSK) Y 2.26 66.57 16.66 150.0 ±9.6 10155- LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X 2.77 69.07 16.79 0.00 150.0 ±9.6 CAF 16-QAM) Y 2.59 67.59 15.89 150.0 ±9.6 10156- LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.11 70.85 16.93 0.00 150.0 ±9.6 10157- LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.11 70.85 16.93 0.00 150.0 ±9.6 10157- LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.31 68.61 15.35 0.00 150.0 ±9.6 CAF 16-QAM) Y 2.08 66.62 14.16 150.0 ±9.6 10158- LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X 2.44 <td></td> <td></td> <td>ΤY</td> <td>6.23</td> <td>74.94</td> <td>21.41</td> <td></td> <td>65.0</td> <td></td>			ΤY	6.23	74.94	21.41		65.0	
10154- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) Y 2.26 68.67 16.06 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) Y 2.28 68.67 16.06 150.0 ± 9.6 10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) Y 2.59 67.59 15.89 150.0 ± 9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) Y 2.59 66.04 15.28 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) Y 1.83 68.04 15.28 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) Y 2.08 66.62 14.16 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, X 2.44 69.17 15.69 0.00 150.0 ± 9.6 10150- CAF			Z						
Z 2.24 69.92 16.77 150.0 CAF 16-QAM) Y 2.59 67.59 15.89 150.0 ±9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) X 2.77 69.07 16.73 0.00 150.0 ±9.6 10156- CAF QPSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) X 2.11 70.85 16.93 0.00 150.0 ±9.6 10157- CAF QPSK) Y 1.83 68.04 15.26 150.0 ±9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) X 2.31 68.61 15.35 0.00 150.0 ±9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.92 69.17 16.92 0.00 150.0 ±9.6 10158- CAF 64-QAM) Y 2.75 67.77 16.06 150.0 ±9.6 10160- CAF G4-QAM) Y 2.19 67.06 14.25 150.0 ±9.6 10160- CAF G4-QAM)			X	2.49			0.00		± 9.6 %
Z 2.24 69.92 16.77 150.0 CAF 16-QAM) Y 2.59 67.59 15.89 150.0 ±9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) X 2.77 69.07 16.73 0.00 150.0 ±9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) X 2.11 70.85 16.93 0.00 150.0 ±9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X X 2.31 68.61 15.35 0.00 150.0 ±9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, X X 2.31 68.61 15.35 0.00 150.0 ±9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, X X 2.92 69.17 16.92 0.00 150.0 ±9.6 10158- CAF 64-QAM) Y 2.75 67.77 16.06 150.0 ±9.6 10160- CAF G4-QAM) Y 2.19 67.06 14.25 150.0 ±9.6 10160- CAE <td></td> <td></td> <td>Y</td> <td>2.26</td> <td>68.57</td> <td>16.06</td> <td></td> <td>150.0</td> <td></td>			Y	2.26	68.57	16.06		150.0	
10155- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) Y 2.59 67.59 15.89 150.0 ±9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) Y 2.59 69.02 16.41 150.0 ±9.6 10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) Y 1.83 68.04 15.26 150.0 ±9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.31 68.61 15.35 0.00 150.0 ±9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.31 68.61 15.35 0.00 150.0 ±9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, CAF X 2.92 69.17 16.92 0.00 150.0 ±9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 6 MHz, CAF X 2.44 69.17 15.68 0.00 150.0 ±9.6 CAF 64-QAM) Y 2.19 67.06 14.45 150.0 ±9.6 CAF QPSK) Y 2.19 67.96 14.21 150.0 ±9.6 CAF G4-QAM) Y <td></td> <td></td> <td>Z</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			Z						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.77			0.00		± 9.6 %
I0156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) Y 1.83 66.02 14.16 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) X 2.31 68.61 15.35 0.00 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10159- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) X 2.42 69.17 16.92 0.00 150.0 ± 9.6 10159- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) X 2.44 69.17 15.68 0.00 150.0 ± 9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 2.44 69.57 16.90 0.00 150.0 ± 9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 2.90 67.96 14.41 150.0 150.0 150.0			Y	2.59	67.59	15.89		150.0	
10156- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) X 2.11 70.85 16.93 0.00 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.31 68.64 15.80 150.0 ± 9.6 10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.31 68.61 15.80 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10159- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, CAF X 2.44 69.17 15.69 0.00 150.0 ± 9.6 10159- CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAF X 2.44 69.17 15.69 0.00 150.0 ± 9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.90 67.96 14.21 150.0 ± 9.6 10161- CAE <			Z						
Z 1.82 69.80 15.80 150.0 CAF ILTE-FDD (SC-FDMA, 50% RB, 5 MHz, IS-QAM) X 2.31 68.61 15.35 0.00 150.0 ±9.6 CAF IS-QAM) Y 2.08 66.62 14.16 150.0 ±9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, S4-QAM) X 2.92 69.17 16.92 0.00 150.0 ±9.6 10159- CAF ETE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) X 2.475 69.77 16.06 150.0 ±9.6 10159- CAF ETE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) X 2.44 69.17 15.69 0.00 150.0 ±9.6 10160- CAE DCS-FDMA, 50% RB, 5 MHz, 64-QAM) X 2.44 69.17 16.90 0.00 150.0 ±9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 2.44 69.57 16.90 0.00 150.0 ±9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00		LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X				0.00		±9.6 %
Initial Z 1.82 69,80 15.80 150.0 CAF 15-QAM) Y 2.31 68.61 15.35 0.00 150.0 ±9.6 15-QAM) Y 2.08 66.62 14.16 150.0 ±9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 84-QAM) X 2.92 69.17 16.92 0.00 150.0 ±9.6 10159- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 84-QAM) X 2.92 69.17 15.69 0.00 150.0 ±9.6 10159- CAF 64-QAM) Y 2.75 67.77 16.66 150.0 ±9.6 10159- CAF 64-QAM) Y 2.19 67.06 14.45 150.0 ±9.6 10160- CAE DSC-FDMA, 50% RB, 15 MHz, QPSK) X 2.44 69.57 16.90 0.00 150.0 ±9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00 150.0 ±9.6 10161- CAE LTE-FDD (SC-F			Y	1.83	68.04	15.26		150.0	
10157- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) X 2.31 68.61 15.35 0.00 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10158- CAF LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10159- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) X 2.44 69.17 15.69 0.00 150.0 ± 9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) X 2.44 69.17 15.69 0.00 150.0 ± 9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.90 67.96 14.21 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.60 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.60 150.0 ± 9.6 10166- CAE	·								
Z 1.98 67.47 13.92 150.0 CAF 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 CAF 64-QAM) Y 2.75 67.77 16.06 150.0 ± 9.6 CAF 64-QAM) Y 2.75 69.22 16.57 150.0 CAF 64-QAM) Y 2.19 67.06 14.45 150.0 CAF 64-QAM) Y 2.19 67.06 14.45 150.0 10160- LTE-FDD (SC-FDMA, 50% RB, 15 MHz, X 2.90 69.57 16.90 0.00 150.0 ± 9.6 CAE QPSK) Y 2.74 68.24 16.05 150.0 ± 9.6 CAE QPSK) Y 2.74 68.24 16.05 150.0 ± 9.6 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, X 3.05 67.98 16.35 0.00 150.0 ± 9.6 CAE 16-QAM) Y <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td>± 9.6 %</td></td<>							0.00		± 9.6 %
Z 1.98 67.47 13.92 150.0 CAF 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 CAF 64-QAM) Y 2.75 67.77 16.06 150.0 ± 9.6 CAF 64-QAM) Y 2.75 69.22 16.57 150.0 CAF 64-QAM) Z 2.75 69.22 16.57 150.0 CAF 64-QAM) Y 2.19 67.06 14.45 150.0 CAF 64-QAM) Y 2.19 67.06 14.45 150.0 10160- LTE-FDD (SC-FDMA, 50% RB, 15 MHz, X 2.90 69.57 16.90 0.00 150.0 ± 9.6 CAE QPSK) Y 2.74 68.24 16.05 150.0 150.0 10161- LTE-FDD (SC-FDMA, 50% RB, 15 MHz, X 3.05 67.98 16.35 0.00 150.0 ± 9.6 CAE 16-QAM) Y 2.93 66.95 15.69<			Ý	2.08	66.62	14 16		150 0	
1018a- CAF CAF-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) X 2.92 69.17 16.92 0.00 150.0 ± 9.6 10159- CAF CAF-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) Y 2.75 67.77 16.06 150.0 ± 9.6 10159- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) X 2.44 69.17 15.69 0.00 150.0 ± 9.6 10160- CAF LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.44 69.17 15.69 0.00 150.0 ± 9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.90 69.57 16.90 0.00 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.24 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAF X 3.15									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)					0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Y	2.75	67.77	16.06	<u>_</u>	150.0	
10159- CAF LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) X 2.44 69.17 15.69 0.00 150.0 ± 9.6 V 2.19 67.06 14.45 150.0 ± 9.6 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.09 67.96 14.21 150.0 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.90 69.57 16.90 0.00 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, AE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, AE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, AE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAF X 3.15 68.06 16.42 0.00 150.0 ± 9.6 10166- CAF QPSK) Y 3.03 67.06 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Z 2.09 67.96 14.21 150.0 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.90 69.57 16.90 0.00 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE Y 2.74 68.24 16.05 150.0 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.06 15.79 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, CAF X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, CAF X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, CAF X 4.61 72.92 19.78		LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)					0.00		± 9.6 %
Z 2.09 67.96 14.21 150.0 10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.90 69.57 16.90 0.00 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE Y 2.74 68.24 16.05 150.0 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.98 16.35 0.00 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, CAE X 3.05 67.06 15.79 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, CAF X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, CAF X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, CAF X 4.61 72.92 19.78			Y	2.19	67.06	14.45		150.0	<u>+-</u>
10160- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) X 2.90 69.57 16.90 0.00 150.0 ± 9.6 Y 2.74 68.24 16.05 150.0 ± 9.6 Z 2.70 69.25 16.60 150.0 ± 9.6 10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) X 3.05 67.98 16.35 0.00 150.0 ± 9.6 CAE 16-QAM) Y 2.93 66.95 15.69 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) Y 2.93 66.95 15.69 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) X 3.15 68.06 16.42 0.00 150.0 ± 9.6 10166- CAE LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, AF X 4.61 72.92 19.78 3.01 150.0 ± 9.6 <			Z	2.09					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)					0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				2.74	68.24	16.05		150.0	 [
10161- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) X 3.05 67.98 16.35 0.00 150.0 ± 9.6 Y 2.93 66.95 15.69 150.0 ± 9.6 Z 2.86 67.77 16.01 150.0 ± 9.6 10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) X 3.15 68.06 16.42 0.00 150.0 ± 9.6 V 3.03 67.06 15.79 150.0 ± 9.6 V 3.71 69.61 19.37 150.0 ± 9.6 V 3.71 69.61 19.37 150.0 ± 9.6 V 3.45 70.11 19.35 150.0 ± 9.6	<u> </u>						<u> </u>		
ID162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) Z 2.86 67.77 16.01 150.0 V 3.15 68.06 16.42 0.00 150.0 ± 9.6 V 3.03 67.06 15.79 150.0 ± 9.6 V 3.03 67.06 15.79 150.0 ± 9.6 10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) Y 3.71 69.61 19.37 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, CAF Y 3.71 69.61 19.37 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, Y X 4.61 72.92 19.78 3.01 150.0 ± 9.6 V 4.57 72.37 19.78 150.0 ± 9.6			X	3.05			0.00		± 9.6 %
ID162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) Z 2.86 67.77 16.01 150.0 Y 3.03 67.06 16.42 0.00 150.0 ± 9.6 V 3.03 67.06 15.79 150.0 ± 9.6 I0166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 I0166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 I0167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, AF X 3.67 69.61 19.37 150.0 ± 9.6 I0167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) X 4.61 72.92 19.78 3.01 150.0 ± 9.6					66.95	15.69		150.0	
10162- CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) X 3.15 68.06 16.42 0.00 150.0 ± 9.6 Y 3.03 67.06 15.79 150.0 ± 9.6 Z 2.97 67.96 16.14 150.0 ± 9.6 10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, AF X 3.67 69.61 19.37 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, AF X 4.61 72.92 19.78 3.01 150.0 ± 9.6 V 4.57 72.37 19.78 150.0 ± 9.6	4040			2.86					j
Z 2.97 67.96 16.14 150.0 10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 V 3.71 69.61 19.37 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, AF X 3.61 19.37 150.0 2 3.45 70.11 19.35 150.0 ± 9.6 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) X 4.61 72.92 19.78 3.01 150.0 ± 9.6		LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)					0.00		± 9.6 %
Z 2.97 67.96 16.14 150.0 10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 V 3.71 69.61 19.37 150.0 ± 9.6 10167- CAF Z 3.45 70.11 19.35 150.0 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, AF X 4.61 72.92 19.78 3.01 150.0 ± 9.6 V 4.57 72.37 19.78 150.0 ± 9.6		<u> </u>			67.06	15.79		150.0	<u>├───</u> ──┤
10166- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) X 3.67 69.77 19.22 3.01 150.0 ± 9.6 10167- CAF Y 3.71 69.61 19.37 150.0 150.0 10167- CAF Z 3.45 70.11 19.35 150.0 150.0 10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) X 4.61 72.92 19.78 3.01 150.0 ± 9.6	10160				67.96	16.14			
I0167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) Z 3.45 70.11 19.35 150.0 Y 4.61 72.92 19.78 3.01 150.0 ± 9.6		QPSK)		3.67			3.01		± 9.6 %
I0167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) Z 3.45 70.11 19.35 150.0 Y 4.61 72.92 19.78 3.01 150.0 ± 9.6	e			3.71	69.61	19.37		150.0	╞─────┥
10167- CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) X 4.61 72.92 19.78 3.01 150.0 ± 9.6 Y 4.57 72.37 19.78 150.0 ± 9.6									├── ──┤
		LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)					3.01		± 9.6 %
			Y	4.57	72.37	19 78	<u> </u>	150.0	
<u> </u>			z	4.42	74.02	20.14			└───

40400								JUSI 23, 2011
10168- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.13	75.25	21.12	3.01	150.0	± 9.6 %
	<u> </u>	Y	5.05	74.54	21.07		150.0	<u> </u>
10169-		Z	<u> </u>	77.22	21.87		150.0	
CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.12	70.03	19.37	3.01	150.0	± 9.6 %
		Y	3.15	69.73	19.46	<u> </u>	150.0	
		Z	2.86	69.57	19.15		150.0	
10170- CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.58	77.10	22.08	3.01	150.0	±9.6 %
		Y	4.39	75.79	21.81		150.0	
40474		Z	4.44	78.23	22.53		150.0	
10171- AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.64	72.24	19.05	3.01	150.0	± 9.6 %
		Y	3.59	71.47	18.98		150.0	
40470		Z	3.36	72.39	19.02		150.0	
10172- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	12.64	100.34	31.84	6.02	65.0	± 9.6 %
		Y	12.97	100.68	32.37		65.0	
10470		_Z	5.77	87.24	27.51		65.0	
10173- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	36.96	114.71	33.67	6.02	65.0	±9.6 %
		Y	30.92	112.16	33.64		65.0	
40474		Z	22.36	108.00	31.61		65.0	
10174- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	22.92	104.35	30.17	6.02	65.0	± 9.6 %
		_ Y _	21.96	104.04	30.70		65.0	
		Z	11.65	95.24	27.25		65.0	
10175- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.08	69.68	19.10	3.01	150.0	± 9.6 %
		Y	3.11	69.39	19.20		150.0	
		Z	2.82	69.22	18.88	·	150.0	
10176- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.59	77.13	22.09	3.01	150.0	± 9.6 %
		Y	4.40	75.82	21.82		150.0	
		Z	4.45	78.26	22.55		150.0	
10177- CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.11	69.85	19.21	3.01	150.0	± 9.6 %
		Y	3.14	69.56	19.30		150.0	
		Z	2.84	69.38	18.97		150.0	
10178- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	4.53	76.83	21.94	3.01	150.0	± 9.6 %
		Y	4.34	75.53	21.68		150.0	
		Z	4.39	77.99	22.42		150.0	
10179- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.06	74.50	20.40	3.01	150.0	± 9.6 %
		Y	3.95	73.49	20.26		150.0	·
		Ζ	3.83	75.09	20.61		150.0	
10180- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	3.62	72.15	18.99	3.01	150.0	±9.6 %
		Y	3.58	71.38	18.93		150.0	
		Ž	3.35	72.32	18.97		150.0	
10181- <u>C</u> AE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.10	69.83	19.20	3.01	150.0	±9.6 %
		Ϋ́	3.13	69.54	19.29		150.0	
		Z	2.84	69.36	18.97		150.0	
10182- CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.52	76.80	21.93	3.01	150.0	±9.6 %
_		Y	4.33	75.51	21.66		150.0	· · · · ·
		<u>Z</u>	4.38	77.96	22.40		150.0	
10183- AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.62	72.12	18.97	3.01	150.0	± 9.6 %
		Y	3.57	71.35	18.91		150.0	
		Z	3.34	72.29	18.96		150.0	

10185- CAE 10186-	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-	Y Z	3.14	69.58	19.32		<u> </u>	
			VII.T				150.0	
			2.85	69.41	18.99		150.0	
10186-	QAM)	X	4.54	76.88	21.97	3.01	150.0	± 9.6 %
10186-		Y	4.35	75.59	21.70		150.0	
10186-		Z	4.41	78.06	22.45		150.0	
AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	3.64	72.20	19.01	3.01	150.0	±9.6 %
		Y	3.59	71.42	18.95		150.0	
		Z	3.36	72.37	19.00		150.0	
10187- CA <u>F</u>	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.12	69.93	19.28	3.01	150.0	± 9.6 %
		Y	<u>3.</u> 15	69.63	19.37		150.0	
		Z	2.86	69.48	19.07		150.0	
10188- CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.72	77.70	22.40	3.01	150.0	± 9.6 %
		Y	4.51	76.33	22.11		150.0	
		Z	4.61	78.98	22.92		150.0	
10189- AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.73	72.70	19.32	3.01	150.0	± 9.6 %
		Y	3.67	71.88	19.24		150.0	
		Z	3.46	72.92	19.33		150.0	
10193- _CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.59	66.76	16.33	0.00	150.0	± 9.6 %
	······································	LΥ	4.55	66.31	16.09		150.0	
		Z	4.42	66.80	16.19		150.0	
10194- CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.77	67.10	16.45	0.00	150.0	± 9.6 %
		Y	4.74	66.66	16.21		150.0	
		Z	4.58	67.08	16.32		150.0	
10195- <u>CA</u> C	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.82	67.12	16.46	0.00	150.0	± 9.6 %
		Y	4.78	66.69	16.22		150.0	
		Z	4.62	67.10	16.34		150.0	
10196- 	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.60	66.84	16.36	0.00	150.0	± 9.6 %
		ΥŢ	4.56	66.40	16.12		150.0	
		Z	4.41	66.83	16.20		150.0	
10197- CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	X	4.79	67.12	16.46	0.00	150.0	±9.6 %
		Y	4.75	66.69	16.22		150.0	
40400		Ζ	4.59	67.09	16.33		150.0	
10198- CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	X	4.82	67.14	16.47	0.00	150.0	± 9.6 %
<u>-</u>		Y	4. <u>78</u>	66.71	16.24		150.0	
10010		Z	4.61	67.11	16.35		150.0	
10219- CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.55	66.86	16.33	0.00	150.0	±9.6 %
	<u>-</u>	<u>Y</u>	4.51	66.41	16.08		150.0	
10220-		Z	4.37	66.86	16.17		150.0	
CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	x	4.79	67.10	16.45	0.00	150.0	±9.6 %
	<u> </u>	<u>Y</u>	4.75	66.67	16.22		150.0	
10224		_Z	4.58	<u>67.0</u> 5	16.32		150.0	_
10221- CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	X	4.83	67.06	16.45	0.00	150.0	± 9.6 %
		Y	4.79	66.64	16.23		150.0	
4000		Z	4.62	67.04	16.33		150.0	
10222- CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.14	67.26	16.55	0.00	150.0	± 9.6 %
CAC								
		Ŷ	5.11	66.90	16.36		150.0	

Certificate No: EX3-7308_Aug18

10223- CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.45	67.43	16.65	0.00	150.0	± 9.6 %
		+				<u> </u>		
		Y	5.45	67.18	16.52		150.0	
10224-	IEEE 802.11n (HT Mixed, 150 Mbps, 64-	<u>Z</u>	5.25	67.35	16.55		150.0	
CAC	QAM)	X	5.19	67.37	16.53	0.00	150.0	± 9.6 %
	<u> </u>	Y	5.15	66.99	16.33		150.0	
		Z	5.01	67.26	16.42		150.0	·
10225- CAB	UMTS-FDD (HSPA+)	X	2.89	66.55	15.78	0.00	150.0	± 9.6 %
		Y	2.80	65.71	15.24		150.0	
		Ż	2.72	66.49	15.32		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	42.12	117.30	34.47	6.02	65.0	±9.6 %
		Y	34.39	114.35	34.35		65.0	
		Z	25.78	110.75	32.49		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	33.34	110.83	32.01	6.02	65.0	±9.6%
40000		Y	29.14	109.23	32.25		65.0	
		Ż	23.91	107.08	30.63		65.0	<u> </u>
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	x	15.66	107.06	33.38	6.02	65.0	± 9.6 %
		Y	15.84	105.37	33.95		65.0	
		Z	7.75	93.33	29.68		65.0	
10229- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	x	37.28	114.84	33.72	6.02	65.0	± 9.6 %
_		Y	31.13	112.26	33.67		65.0	
		ż	22.62	108.17	31.67		65.0	
10230- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	29.88	108.76	31.36	6.02	65.0 65.0	± 9.6 %
		Y	26.58	107.43	31.66	<u> </u>		
		Z	20.85	107.43	29.86	· · ·	65.0	
10231- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	14.65	104.61	32.85	6.02	<u>65.0</u> 65.0	± 9.6 %
		Y	14.88	103.95	33.43		05.0	
		z	7.34	92.15	29.19		65.0	
10232- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	37.25	114.84	33.71	6.02	65.0 65.0	± 9.6 %
		Ŷ	31.10	112.26	22.07			
		Z			33.67		65.0	
10233- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	<u>22.58</u> 29.82	108.16 108.74	31.67 31.35	6.02	65.0 65.0	±9.6 %
	····/ _ ·	 Y	26.53	107.41	31.66		000	
							65.0	
10234- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	<u>20.76</u>	104.56 102.21	29.85 32.30	6.02	<u>65.0</u> 65.0	± 9.6 %
		Y	14.10	102.64	32.91		65.0	
		z	7.03	91.14	28.71		65.0	
10235- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	37.39	114.93	33.74	6.02	65.0	± 9.6 %
		Y	31.21	112.34	33.70		65.0	
		Z	22.65	108.24	31.69		65.0	
10236- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	30.43	109.05	31.43	6.02	65.0	± 9.6 %
		Ŷ	27.03	107.71	31.73		65.0	
		Ż	21.22	104.87	29.93		65.0	
10237- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	x	14.73	103.74	32.90	6.02	65.0	± 9.6 %
		Y	14.96	104.11	33.48		65.0	
		z	7.35	92.21	29.22		65.0	
10238- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	37.20	114.83	<u> </u>	6.02	<u>65.0</u>	± 9.6 %
		Y	31.07	112.26	33.67		65.0	

10239-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz,		00.70	400 70	01.05			
CAE	64-QAM)	X	29.73	108.72	31.35	6.02	65.0	± 9.6 %
		Y	26.48	107.40	31.66		65.0	
		Ζ_	20.66	104.50	29.83		65.0	
10240- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	14.67	103.66	32.88	6.02	65.0	± 9.6 %
		Y	14.89	104.03	33.46		65.0	
		Z	7.33	92.17	29.20		65.0	·
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	8.22	81.62	25.84	6.98	65.0	± 9.6 %
		Y	8.21	81.11	25.93		65.0	
		Z	7.55	81.89	25.74		65.0	
10242- C <u>A</u> A	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	7.60	79.92	25.06	6.98	65.0	± 9.6 %
		Y	7.70	79.68	25.24		65.0	
		Z	6.63	79.21	24.57		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, _QPSK)	X	6.06	76.28	24.43	6.98	65.0	± 9.6 %
		Y	6.20	76.29	24.69		65.0	
		Z	5.27	75.02	23.70		65.0	
10244- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	6.94	79.13	20.40	3.98	65.0	± 9.6 %
		Y	7.61	80.93	21.65		65.0	
		z	4.63	73.01	16.54	· · · · ·	65.0	
10245- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	6.74	78.35	20.03	3.98	65.0	± 9.6 %
		Y	7.38	80.11	21.28	<u> </u>	65.0	
		Z	4.46	72.20	16.14		65.0	
10246- <u>C</u> AC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	8.26	86.16	23.38	3.98	65.0	±9.6 %
		Y	7.07	83.23	22.34	<u>├</u>	65.0	
_		Z	4.76	77.46	19.00		65.0	
10247- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	5.60	76.50	20.35	3.98	65.0	± 9.6 %
		Y	5.37	75.45	19.96		65.0	
		Z	4.29	72.64	17.71		65.0	
10248- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	5.54	75.70	19.98	3.98	65.0	± 9.6 %
		Y	5.35	74.79	19.65		65.0	
		z	4.24	71.91	17.36		65.0	
10249- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	x	9.19	88.24	24.95	3.98	65.0	± 9.6 %
		Y	7.96	85.32	23.90		65.0	
		Ż	6.28	82.28	00.00			
10250- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	6.20	77.76	22.02	3.98	65.0 65.0	± 9.6 %
		Y	6.01	76.85	21.97		65.0	
		Z	5.20	75.42	20.86		65.0	
10251- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	x	5.85	75.32	20.92	3.98	65.0	± 9.6 %
		Y	5.73	74.58	20.63		65.0	
		Z	4.92	73.12	19.45		65.0	
10252- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	8.09	84.95	24.58	3.98	65.0	± 9.6 %
		Y Ż	7.42	82.94	23.81		65.0	
10253-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	Z	6.31	<u>81.5</u> 2	22.96		65.0	l
CAE	16-QAM)	X	5.80	74.00	20.63	3.98	65.0	± 9.6 %
		Y	5.72	73.40	20.39		65.0	
10254-		Z	5.04	72.28	19.52		65.0	
10254- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	6.14	74.84	21.30	3.98	65.0	± 9.6 %
		Y.	6.05	74.22	21.07		65.0	
		Z	5.36	73.21	20.25		65.0	

Certificate No: EX3-7308_Aug18

10055								gust 23, 201
10255- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	6.81	79.50	22.67	3.98	65.0	± 9.6 %
		Y	6.50	78.25	22.16		65.0	<u> </u>
10256-		Z	5.72	77.37	21.59		65.0	
CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	5.54	75.38	17.88	3.98	65.0	± 9.6 %
		Y	6.45	78.02	19.55	<u> </u>	65.0	
40057		Z	3.15	67.52	12.83		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	5.31	74.31	17.34	3.98	65.0	± 9.6 %
		Y	6.14	76.80	18.96		65.0	+
40050		Z	3.05	66.79	12.37		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	6.24	81.13	20.76	3.98	65.0	± 9.6 %
		Y	5.52	78.91	19.97		65.0	T
10259-		Z	3.09	70.62	15.05		65.0	
CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	5.84	76.93	21.04	3.98	65.0	± 9.6 %
		Y	5.63	75.94	20.66		65.0	
10000		Z	4.68	73.82	18.92		65.0	<u> </u>
10260- CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	5.84	76.54	20.88	3.98	65.0	± 9.6 %
		Y	5.65	75.62	20.54		65.0	
10004		Ζ	4.68	73.47	18.76		65.0	†
10261- <u>C</u> AC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	7.94	85.32	24.30	3.98	65.0	± 9.6 %
		Y	7.17	83.07	23.45		65.0	
		Z	5.90	80.89	22.01		65.0	
10262- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	6.19	77.72	22.28	3.98	65.0	± 9.6 %
		Y	6.00	76.81	21.93		65.0	
		Z	5.19	75.36	20.81		65.0	
10263- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.84	75.30	20.91	3.98	65.0	± 9.6 %
		Y	5.72	74.57	20.63		65.0	
		Z	4.91	73.09	19.44		65.0	
10264- <u>CAE</u>	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	8.00	84.72	24.48	3.98	65.0	± 9.6 %
		Y	7.34	82.73	23.71		65.0	
		Z	6.24	81.28	22.84		65.0	
10265- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.98	74.73	20.93	3.98	65.0	± 9.6 %
		Ý	5.89	74.12	20.69		65.0	
		Z	5.12	72.74	19.78		65.0	
10266- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	6.33	75.56	21.64	3.98	65.0	± 9.6 %
		Y	6.22	74.93	21.40		65.0	<u> </u>
4000-		Z	5.49	73.76	20.60		65.0	
10267- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	7.32	80.56	22.82	3.98	65.0	± 9.6 %
		Y	6.92	79.16	22.26		65.0	
10000		Z	6.05	78.17	21.72		65.0	
10268- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.52	74.24	21.04	3.98	65.0	± 9.6 %
		Y	6.45	73.73	20.85		65.0	
40000		Z	<u>5.</u> 74	72.63	20.16		65.0	
10269- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	6.46	73.71	20.87	3.98	65.0	± 9.6 %
	+··	Y	6.39	73.22	20.69		65.0	
40070		Z	5.73	72.22	20.02		65.0	
10270- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.79	76.82	21.42	3.98	65.0	± 9.6 %
		Y	6.57	75.90	21.04		65.0	<u> </u>
		Z	5.88	75.11	20.59		65.0	<u> </u>

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	x	2.66	66.98	15.73	0.00	150.0	±9.6 %
		Y	2.54	65.90	15.04		150.0	
		Z	2.55	67.07	15.35		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.78	69.77	16.72	0.00	150.0	± 9.6 %
		Y	1.55	67.13	15.03		150.0	
		Z	1.62	69.04	16.02		150.0	
10277- <u>C</u> AA	PHS (QPSK)	X	2.12	61.97	7.55	9.03	50.0	±9.6 %
		Y	2.25	62.30	7.96		50.0	
		Z	1.72	60.31	5.78		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	10.93	86.19	21.29	9.03	50.0	± 9.6 %
		Y	<u>9.6</u> 4	84.41	20.95		50.0	
40070		Z	3.57	69.00	13.15		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	11.22	86.49	21.46	9.03	50.0	± 9.6 %
		Y	9.91	84.71	21.11		50.0	
10290-		Z	3.69	69.35	13.38		50.0	
AAB	CDMA2000, RC1, SO55, Full Rate	X	1.95	72.86	16.32	0.00	150.0	± 9.6 %
		Y	1.38	67.46	13.46		150.0	
40004		Z	1.34	68.81	13.27		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	1.06	69.47	14.79	0.00	150.0	± 9.6 %
		Y	0.76	64.53	11.71		150.0	
		Z	0.76	66.05	11.81		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	1.83	78.35	18.94	0.00	150.0	± 9.6 %
		Y	0.91	67.73	13.68		150.0	
		Z	1.34	73.93	15.68		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	4.73	93.04	24.47	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Ŷ	1.31	72.72	16.40		150.0	
		Z	6.43	94.81	23.11		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	10.60	89.87	26.40	9.03	50.0	± 9.6 %
		Y	10.25	88.78	26.08		50.0	
		Z	12.25	89.80	24.68		50.0	
10297- AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	2.99	71.06	17.36	0.00	150.0	± 9.6 %
		Y	2.73	69.18	16.24		150.0	
		Ζ	2.72	70.32	16.96		150.0	
10298- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.90	70.47	15.90	0.00	150.0	± 9.6 %
		Y	1.56	67.01	13.91		150.0	<u> </u>
40000		Z	1.44	67.67	13.50		150.0	<u> </u>
10299- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.07	71.64	15.53	0.00	150.0	± 9.6 %
		Y	3.23	72.42	16.33		150.0	
10000		Z	2.17	67.61	12.32		150.0	<u> </u>
10300- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.19	66.26	12.34	0.00	150.0	± 9.6 %
	·	Y	2.31	66.80	13.02		150.0	
10204		Z	1.57	63.33	9.50		150.0	
	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	х	4.82	65.43	17.57	4.17	50.0	± 9.6 %
10301- 							<u> </u>	
		Ý	4.87	65.32	17.50		50.0	
AAA		Z	4.60	65.32 65.72	<u>17.50</u> 17.49		50.0 50.0	
	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)					4.96	50.0 50.0 50.0	± 9.6 %
AAA	IEEE 802.16e WiMAX (29:18, 5ms,	Z	4.60	65.72	17.49	4.96	50.0	± 9.6 %

10303-	IEEE 802.16e WIMAX (31:15, 5ms,	X	5.06	65.83	18.21	4 00	<u> </u>	<u></u>
<u>AAA</u>	10MHz, 64QAM, PUSC)				10.21	4.96	50.0	±9.6 %
		Y	<u> </u>	65.70	18.12		50.0	†
10304-		Z	4.75	65.61	17.82		50.0	<u> </u>
AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.87	65.69	17.69	4.17	50.0	± 9.6 %
<u> </u>		Υ	4.90	65.47	17.55		50.0	· · · ·
40005		Z	4.58	65.56	17.35		50.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.43	67.35	19.83	6.02	35.0	± 9.6 %
		Y	4.56	67.70	19.98		35.0	
		Z	4.15	67.17	19.10		35.0	
10306- AAA 10307-	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.77	66.43	19.36	6.02	35.0	± 9.6 %
		Y	4.86	66.61	19.45		35.0	
		Z	4.49	66.31	18.82		35.0	
AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.67	66.65	19.36	6.02	35.0	± 9.6 %
		Y	4.78	66.88	19.46		35.0	
10308-		Z	4.37	66.39	18.75		35.0	
AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.64	66.81	19.48	6.02	35.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.74	67.03	19.58		35.0	-
10200		Z	4.35	66.60	18.90		35.0	
10309- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.84	66.72	19.54	6.02	35.0	± 9.6 %
		Y	4.94	66.92	19.63		35.0	
		Z	4.52	66.47	18.95		35.0	
10310- 	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.71	66.49	19.33	6.02	35.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.81	66.68	19.42		35.0	
		Ž	4.43	66.37	18.80		35.0	
10311- AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.36	70.26	16.95	0.00	150.0	± 9.6 %
		Y	3.08	68.46	15.91		150.0	
		Z	3.08	69.51	16.57	_	150.0	
10313- AAA	IDEN 1:3	X	5.95	81.40	19.48	6.99	70.0	± 9.6 %
		Y	4.30	76.35	17.48		70.0	
		Z	3.21	73.80	16.43		70.0	
10314- AAA	iDEN 1:6	X	12.17	97.07	27.72	10.00	30.0	± 9.6 %
		Y	7.44	87.94	24.60		30.0	
		Z	6.18	85.76	23.72		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.10	64.61	16.02	0.17	150.0	± 9.6 %
	<u> </u>	Y	1.01	63.21	14.85		150.0	
40040		Z	1.05	<u>64</u> .14	15.48		150.0	<u> </u>
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.65	66.81	16.47	0.17	150.0	± 9.6 %
	<u> </u>	Y	4.62	66.42	16.27		150.0	
40047		Z	4.46	66.78	16.31		150.0	
10317- AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	×	4.65	66.81	16.47	0.17	150.0	±9.6 %
	<u> </u>	Y_	4.62	66.42	16.27		150.0	
10400-	IEEE 802.11ac WiFi (20MHz, 64-QAM,	Z X	<u>4.46</u> 4.78	66.78 67.16	<u>16.31</u> 16.44	0.00	150.0 150.0	± 9.6 %
AAD	99pc duty cycle)	Y	4 74	66 70	- 10.01			
	<u> </u>		4.74	66.73	16.21		150.0	
10401-	IEEE 802.11ac WiFi (40MHz, 64-QAM,	Z	4.55	67.11	16.31		150.0	
AAD	99pc duty cycle)	X	5.43	67.23	16.53	0.00	150.0	±9.6 %
	<u> </u>	Y	5.42	66.92	16.38		150.0	
	<u> </u>	Z	5.24	67.11	16.40		150.0	

10402- AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.71	67.66	16.59	0.00	150.0	± 9.6 %
		Y	5.70	67.34	16.43		150.0	
		Z	5.52	67.48	16.45		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.95	72.86	16.32	0.00	115.0	± 9.6 %
		Υ.	1.38	67.46	13.46		115.0	
		Z	1.34	68.81	13.27		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.95	72.86	16.32	0.00	115.0	± 9.6 %
		Y	1.38	67.46	13.46	_	115.0	
10406-		Z	1.34	68.81	13.27		115.0	
AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	122.38	30.73	0.00	100.0	± 9.6 %
	······································	Y	81.48	123.67	32.28		100.0	
10110		<u>Z</u>	100.00	<u>11</u> 4.83	_ 26.66		100.0	
10410- AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	123.65	31.04	3.23	80.0	± 9.6 %
		Y	100.00	127.30	33.02		80.0	
10115		Z	100.00	122.18	29.60		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	×	1.02	63.74	15.40	0.00	150.0	± 9.6 %
		Y	0.94	62.36	14.20		150.0	
10440		Z	0.99	63.49	14.99		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.59	66.79	16.39	0.00	150.0	± 9.6 %
		Ý	4.55	66.36	16.15		150.0	
		Z	4.42	66.82	16.27		150.0	
10417- 	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.59	66.79	16.39	0.00	150.0	± 9.6 %
	<u> </u>	Y	4.55	66.36	16.15		150.0	
		Z	4.42	66.82	16.27		150.0	
10418- AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	x	4.58	66.96	16.41	0.00	150.0	± 9.6 %
		Y	4.54	<u>66.</u> 49	16.15		150.0	
40440		Ζ	4.42	67.01	16.31		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.61	66.90	16.41	0.00	150.0	± 9.6 %
	<u> </u>	Y.	4.56	66.45	16.16		150.0	
40.400		Z	4.43	66.95	16.30		150.0	
10422- AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.73	66.90	16.41	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.69	66.47	16.18		150.0	
40400		Z	4.54	66.92	16.31		150.0	
10423- AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.91	67.24	16.54	0.00	150.0	± 9.6 %
		Ý	4.87	66.82	16.31		150.0	
10424-		Z	4.68	67.21	16.40		150.0	
AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.82	67.19	16.51	0.00	150.0	± 9.6 %
	<u> </u>	Y	4.79	66.76	16.28		150.0	
10425-		Z	4.61	67.16	16.38		150.0	
AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.41	67.47	16.65	0.00	150.0	±9.6 %
	<u> </u>	<u>Y</u>	5.40	<u>67.</u> 17	16.50		150.0	
10426-		Z	5.21	67.35	16.53		150.0	
AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.41	67.47	16.65	0.00	150.0	± 9.6 %
		Y	5.40	67.19	16.50		450.0	
		Ż	5.23	67.42	16.50		150.0	

10427- AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.42	67.47	16.64	0.00	150.0	± 9.6 %
		Y	5.41	67.16	16.48	<u> </u>	450.0-	
		Ż	5.22	67.32		<u> </u>	150.0	<u> </u>
10430-	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.40	71.17	<u>16.51</u> 18.58		150.0	
AAC						0.00	150.0	± 9.6 %
	+	Y	4.23	70.08	17.99		150.0	
10431-	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	<u>Z</u>	4.30	72.10	_18.56		150.0	
AAC		X	4.31	67.42	16.46	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.26	66.88	16.15		150.0	
40420		Z	4.07	67.45	16.24		150.0	
10432- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.60	67.26	16.49	0.00	150.0	± 9.6 %
		Y	4.56	66.79	16.22		150.0	
40400		Z	4.38	67.26	16.33		150.0	
10433- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.84	67.23	16.53	0.00	150.0	±9.6 %
		Y	4.80	66.80	16.30		150.0	
10424		Z	4.63	67.20	16.40		150.0	<u> </u>
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.54	72.17	18.64	0.00	150.0	± 9.6 %
		Y	4.31	70.81	17.94		150.0	<u> </u>
		Z	4.47	73.20	18.53		150.0	
10435- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.43	30.93	3.23	80.0	± 9.6 %
		Y	100.00	127.09	32.93		80.0	
		Z	100.00	121.88	29.46		80.0	
10447- AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.63	67.60	15.97	0.00	150.0	± 9.6 %
		Y	3.55	66.82	15.51		150.0	
		Ż	3.36	67.49	15.39		150.0	
10448- AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.14	67.21	16.33	0.00	150.0	± 9.6 %
		Y	4.08	66.64	16.00		150.0	
		z	3.93	67.24	16.11		150.0	
10449- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	×	4.40	67.10	16.39	0.00	150.0	± 9.6 %
		Y	4.35	66.60	16.11		450.0	
		z	4.21	67.10	16.24		150.0	
10450- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.59	67.00	16.40	0.00	150.0 150.0	±9.6 %
		Ý	4.54	66.54	16.14		450.0-	
		~	4.41				150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.56	<u>66.</u> 98 67.91	<u>16.27</u> 15.68	0.00	1 <u>50.0</u> 150.0	±9.6%
		Y	3.45	67.01	15.16		150.0	
_ •		z	3.21	67.51	14.85		150.0	
10456- AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.26	68.01	16.78	0.00	150.0	± 9.6 %
		Y	6.26	67.75	16.66		150.0	
		ż	6.13	67.97	16.72		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.81	65.42	16.11	0.00	150.0	± 9.6 %
		Ý	3.77	64.98	15.86		150.0	
10458-		Z	3.73	65.50	15.98		<u> 15</u> 0.0	
AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.16	71.37	18.08	0.00	150.0	± 9.6 %
	<u></u>	<u>Y</u>	3.92	69.91	17.32		150.0	
10450		Z	4.02	72.11	17.63		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.19	68.40	18.36	0.00	150.0	± 9.6 %
		LΥ	5.10	67.75	18.06		150.0	
		Z	5.01	69.18	18.25		150.0	— -

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	1.07	72.05	18.39	0.00	150.0	± 9.6 %
		Y	0.81	67.05	15.17		150.0	
		Z	0.95	70.49	17.24	<u> </u>	150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	129.11	33.59	3.29	80.0	± 9.6 %
		_ Y _	100.00	132.68	35.56		80.0	
		Z	100.00	128.17	32.38		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	29.76	94.39	20.32	3.23	80.0	± 9.6 %
		Y	100.00	112.07	25.94		80.0	
10463-		Z	0.79	60.49	7.76		80.0	
AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.50	68.97	12.20	3.23	80.0	± 9.6 %
	<u> </u>	<u>Y</u>	100.00	107.58	23.85		80.0	
10464		Z	0.77	60.00	6.89		80.0	
10464- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.29	32.12	3.23	80.0	± 9.6 %
		Y	100.00	130.29	34.26		<u>8</u> 0.0	
10465-		Z	100.00	124.25	30.42	<u> </u>	80.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	9.13	82.53	17.12	3.23	80.0	±9.6%
		Y	100.00	111.30	25.58		80.0	
10466-		Z	0.75	60.00	7.44		80.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.98	66.71	11.27	3.23	80.0	± 9.6 %
		Y	99.88	106.88	23.53		80.0	
10467-		Z	0.78	60.00	6.83		80.0	
_AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.60	32.25	3.23	80.0	± 9.6 %
	+	<u>Y</u>	100.00	130.59	34.40		80.0	
10468-		Z	100.00	124.67	_30.60		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	×	11.66	85.00	17.83	3.23	80.0	± 9.6 %
		Ϋ́	100.00	111.53	25.68		80.0	
10469-		<u>Z</u>	0.75	60.09	7.51		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	1.98	66.75	11.28	3.23	80.0	± 9.6 %
		Y	100.00	106.90	23.54		80.0	
10470-		Z.	<u>0.7</u> 7	60.00	6.83		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.64	32.26	3.23	80.0	± 9.6 %
		Y	100.00	130.65	34.41		80.0	
10471		Z	100.00	124.69	30.60		80.0	
10471- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	11.32	84.67	17.72	3.23	80.0	± 9.6 %
	<u> </u>	<u>Y</u>	100.00	111.46	25.64		80.0	
10472-		Z	0.75	60.04	7.47		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.96	66.63	11.22	3.23	80.0	± 9.6 %
	<u> </u>	Y	100.00	106.82	23.49		80.0	
10473-		Z	0.77	60.00	6.81		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.60	32.24	3.23	80.0	±9.6 %
	+	Y	100.00	130.61	34.39		80.0	
10474- AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Z X	100.00 11.06	<u>124.64</u> 84.45	<u>30.58</u> 17.66	3.23	80.0 80.0	± 9.6 %
			400 00					
		Y	100.00	111.47	25.64		80.0	
10475-	LITE-TOD (SC EDMA 4 DD 45 MIL	Z	0.74	60.02	7.45		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.95	66.59	11.20	3.23	80.0	± 9.6 %
_		Y	99.99	106.84	23.50		80.0	
		Z	0.77	60.00	6.81		80.0	

10477- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	9.10	82.47	17.07	3.23	80.0	± 9.6 %
		Y	100.00	111.24	25.54	<u> </u>	80.0	·
		Z	0.74	60.00	7.42	<u> </u>	80.0	+
10478- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.93	66.47	11.14	3.23	80.0	± 9.6 %
		Ý	96.81	106.44	23.40		80.0	<u> </u>
		Z	0.77	60.00	6.80		80.0	<u> </u>
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.68	90.97	25.10	3.23	80.0	±9.6 %
		Y	13.83	97.37	27.65		80.0	
40400		Z	12.23	94.71	25.17		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	11.91	88.02	22.17	3.23	80.0	± 9.6 %
		Y	19.25	95.65	25.10		80.0	
		Z	7.50	81.30	18.54		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	9.15	83.59	20.38	3.23	80.0	± 9.6 %
	·	Υ	15.12	91.18	23.39		80.0	
10400		Z	4.40	74.24	15.71		80.0	
10482- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.76	79.70	20.44	2.23	80.0	± 9.6 %
		Y	3.53	74.74	18.45		80.0	
10483-		Z	2.62	71.60	16.13		80.0	
10483- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.87	78.17	19.16	2.23	80.0	± 9.6 %
		Y	8.24	83.44	21.55		80.0	
40404		Z	2.93	69.04	14.15		80.0	
10484- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.35	76.61	18.60	2.23	80.0	± 9.6 %
		Y	7.24	81.28	20.83		80.0	
		Z	2.73	67.94	13.69		80.0	<u> </u>
10485- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.47	78.87	21.04	2.23	80.0	± 9.6 %
		Ϋ́	3.68	75.23	19.49		80.0	
		Z	3.15	74,27	18.50		80.0	
10486- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.79	72.50	18.04	2.23	80.0	± 9.6 %
		Y	3.38	70.29	17.05		80.0	
		Z	2.84	69.02	15.57	<u> </u>	80.0	
10487- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.74	71.89	17.77	2.23	80.0	± 9.6 %
		Y	3.37	69.86	16.85		80.0	-
		Ζ	2.81	68.50	15.32		80.0	
10488- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.24	75.86	20.43	2.23	80.0	± 9.6 %
		Y	3.83	73.65	19.40		80.0	-
		Ζ	3.28	72.72	18.85	_	80.0	
10489- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.72	70.49	18.27	2.23	80.0	± 9.6 %
		Ϋ́	3.53	69.26	17.66		80.0	
		Z	3.19	68.97	17.14		80.0	
10490- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.79	70.18	18.14	2.23	80.0	± 9.6 %
		Y	3.62	69.04	17.58		80.0	
10101		Z	3.27	68.77	17.05		80.0	
10491- _AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.23	73.19	19.42	2.23	80.0	±9.6 %
		Y	3.95	71.65	18.67		80.0	
10.5		_Z	3.47	70.90	18.25		80.0	
10492- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.97	69.24	17.95	2.23	80.0	±9.6 %
		Y_	3.85	<u>6</u> 8.36	17.51		80.0	
		Z	3.50	68.04	17.11		80.0	İ

10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	4.03	69.04	17.87	2.23	80.0	± 9.6 %
AAD	64-QAM, UL Subframe=2,3,4,7,8,9)				<u> </u>			
<u> </u>		Y	3.92	68.21	17.46		80.0	
10494-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	3.56	67.90	17.04		80.0	
	QPSK, UL Subframe=2,3,4,7,8,9)	X	4.79	75.46	20.14	2.23	80.0	±9.6 %
		Y	4.38	73.53	19.24		80.0	
10495-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	3.78	72.48	18.78		80.0	
AAE	16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.03	69.76	18.19	2.23	80.0	± 9.6 %
	<u>+</u>	Y	3.90	68.85	17.73		80.0	
10496-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	3.53	68.35	17.31		80.0	
AAE	64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.08	69.35	18.04	2.23	80.0	± 9.6 %
		Y	3.97	68.51	17.62		80.0	
10497-		Z	3.60	68.09	17.22		80.0	
AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.72	75.87	18.08	2.23	80.0	± 9.6 %
	·	Y	2.64	70.76	<u>15.9</u> 8		80.0	
10400		Z	1.51	64.60	11.77		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	x	2.30	66.27	12.99	2.23	80.0	± 9.6 %
		Y	2.02	64.31	12.06	_	80.0	
40100		Z	1.20	60.00	8.21		80.0	
10499- AAA 	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.18	65.35	12.41	2.23	80.0	± 9.6 %
		Y	1.97	63.70	11.62		80.0	
		Z	1.22	60.00	8.05		80.0	
10500- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.19	76.87	20.53	2.23	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	3.63	74.04	19.27		80.0	
		Z	3.15	73.35	18.54		80.0	
10501- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.74	71.57	18.07	2.23	80.0	± 9.6 %
		Y	3.44	69.83	17.26		80.0	
40.00		Z	3.03	69.25	16.29		80.0	
10502- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.79	71.34	17.92	2.23	80.0	± 9.6 %
		Y	3.50	69.66	17.14		80.0	
		Z	3.07	69.05	16.12		80.0	† ·
10503- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.18	75.62	20.32	2.23	80.0	± 9.6 %
		Y	<u>3.</u> 77	73.43	19.30		80.0	
10504		Z	3.23	72.50	18.74	<u></u>	80.0	
10504- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.70	70.40	18.21	2.23	80.0	± 9.6 %
·		Y	3.52	69.18	17.61		80.0	
10505		Z	3.17	68.86	17.07		80.0	
10505- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.77	70.08	18.09	2.23	80.0	± 9.6 %
		Y	3.60	68.95	17.53		80.0	
10506-		Z	3.25	68.67	16.99		80.0	
AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	x	4.74	75.29	20.06	2.23	80.0	±9.6%
		Y	4.34	73.37	19.17		80.0	
10507		Z	<u>3.7</u> 4	72.32	18.70		80.0	
10507- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.01	69.69	18.15	2.23	80.0	± 9.6 %
		ΥT	3.88	68.79	17.69		80.0	

10508-	LTE-TDD (SC-FDMA, 100% RB, 10							
AAD	MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	4.07	69.28	18.00	2.23	80.0	± 9.6 %
		†γ-	3.96	68.45	17.58	┼━───		<u> </u>
		Ż	3.59	68.02	17.56		80.0	
10509-	LTE-TDD (SC-FDMA, 100% RB, 15	X	4.87	73.12	19.15		80.0	<u> </u>
AAD	MHz, QPSK, UL Subframe=2,3,4,7,8,9)					2.23	80.0	± 9.6 %
		Y	4.57	71.69	18.46		80.0	
10510-	LTE-TDD (SC-FDMA, 100% RB, 15	Z	4.08	70.95	18.12		80.0	
AAD	MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.46	69.19	17.97	2.23	80.0	±9.6 %
		Y	4.36	68.46	17.61		80.0	† <u> </u>
40544		Z	3.98	67.93	17.23		80.0	
10511- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.49	68.83	17.85	2.23	80.0	± 9.6 %
		Y	4.40	68.15	17.52		80.0	
10510		Z	4.03	67.70	17.16		80.0	<u> </u>
10512- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.35	75.53	19.95	2.23	80.0	± 9.6 %
		Y	4.89	73.64	19.09	<u> </u>	80.0	
10515		Z	4.27	72.56	18.64		80.0	+
10513- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.37	69.62	18.15	2.23	80.0	± 9.6 %
		Y	4.26	68.83	17.75		80.0	
		Z	3.86	68.15	17.33		80.0	
10514- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.36	69.04	17.95	2.23	80.0	±9.6 %
		Y	4.26	68.32	17.60	<u> </u>	80.0	
		Z	3.89	67.75	17.20		80.0	F —
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.98	64.01	15.52	0.00	150.0	± 9.6 %
	<u> </u>	<u>Y</u>	0.90	62.52	14.23		150.0	_
40540		Z	0.95	_63.71	15.08		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.96	80.43	22.24	0.00	150.0	± 9.6 %
		Y	0.52	<u>69.16</u>	15.73		150.0	
40547		Ζ	0.74	<u>75</u> .71	19.80		150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.87	66.95	16.73	0.00	150.0	±9.6%
<u> </u>	<u> </u>	Y	0.75	64.30	14.64		150.0	
40510		Z	0.81	66.10	15.98		150.0	
10518- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.59	66.88	16.37	0.00	150.0	±9.6 %
	+	Y	4.55	66.43	16.12	_	150.0	
40540		Z	4.41	66.91	16.25		150.0	
10519- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.79	67.13	16.49	0.00	150.0	±9.6 %
	<u> </u>	Y	4.75	66.71	16.26		150.0	·
40500		Z	4.57	67.10	16.35		150.0	
10520- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.64	67.11	16.43	0.00	150.0	± 9.6 %
	<u> </u>	Y	4.60	66.67	<u>16</u> .18		150.0	
10524		Z	4.43	67.05	16.27		150.0	
10521- AAB	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.57	67.12	16.42	0.00	150.0	±9.6 %
		Y	4.53	66.66	16.16		150.0	
10500		Z	4.36	67.04	16.26		150.0	
10522- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.63	67.16	16.48	0.00	150.0	± 9.6 %
		Y	4.59	66.70	16.22		150.0	
		Z	4.42	67.17	16.36		150.0	

10523-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48	v	4 6 4	07.05	40.04	0.00	450.0	
AAB	Mbps, 99pc duty cycle)	X	4.51	67.05	16.34	0.00	150.0	± 9.6 %
		Y	4.46	66.56			150.0	
40504		Z	4.33	67.10	16.24		150.0	
10524- 	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.58	67.09	16.46	0.00	150.0	± 9.6 %
		Y	4.53	66.64	16.20		150.0	
		Z	4.37	67.10	16.33		150.0	
10525- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	Х	4.55	66.14	16.05	0.00	150.0	± 9.6 %
		Y	4.50	65.66	15.78		150.0	
40.000		Ζ	4.38	66.18	15.95		150.0	
10526- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.74	66.53	16.19	0.00	150.0	± 9.6 %
	······································	Y	4.69	66.05	15.93		150.0	
		Z	4.52	66.50	16.07		150.0	
10527- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.66	66.50	16.15	0.00	150.0	± 9.6 %
		Y	4.61	66.01	15.87		150.0	
40505		Z	4.45	66.47	16.02		150.0	
10528- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.67	66.52	16.18	0.00	150.0	± 9.6 %
		Y	4.62	66.03	15.91		150.0	
40526		Z	4.47	66.48	16.05		150.0	
10529- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.67	66.52	16.18	0.00	150.0	± 9.6 %
		Y	4.62	66.03	15.91		150.0	· · · · · · · · · · · · · · · · · · ·
		Z	4.47	66.48	16.05		150.0	
10531- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.67	66.65	16.20	0.00	150.0	± 9.6 %
		Y	4.63	66.16	15.93		150.0	
		Z	4.44	66.54	16.04		150.0	
10532- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.53	66.51	16.14	0.00	150.0	± 9.6 %
		Y	4.48	66.01	15.86		150.0	
		Z	4.32	66.41	15.98		150.0	<u> </u>
10533- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.68	66.56	16.16	0.00	150.0	±9.6 %
		Y	4.63	66.06	15.89		150.0	
		Z	4.48	66.56	16.05		150.0	
10534- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.19	66.60	16.20	0.00	150.0	± 9.6 %
		Y	5.16	66.20	15.99		150.0	
		Z	5.01	66.50	16.09	·	150.0	
10535- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.26	66.75	16.27	0.00	150.0	±9.6 %
		Y	5.22	66.35	16.06		150.0	
		Z	5.06	66.65	16.16		150.0	— ·· — — —
10536- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.13	66.73	16.24	0.00	150.0	± 9.6 %
		Y	5.09	66.32	16.02		150.0	·
10507		Z	4.95	66.64	16.13		150.0	
10537- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.19	66.69	16.22	0.00	150.0	±9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	5.15	66.30	16.01		150.0	
10520		Z	5.00	66.59	16.11		150.0	
10538- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.28	66.73	16.28	0.00	150.0	±9.6 %
		Y	5.26	66.36	16.08		150.0	
405.10		Z	5.08	66.58	16.14		150.0	
10540- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.21	66.72	16.29	0.00	150.0	± 9.6 %
		Y	5.17	66.33	16.08		150.0	
					10.00		ייייתו ו	

10541- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.18	66.60	16.22	0.00	150.0	± 9.6 %
		Υ ·	5.14		L			
		Z	4.99	66.20	16.01	<u> </u>	150.0	
10542-	IEEE 802.11ac WiFi (40MHz, MCS8,	$\frac{2}{X}$	5.33	66.47	16.09		150.0	
AAB	99pc duty cycle)			66.65	16.26	0.00	150.0	± 9.6 %
		Y	5.31	66.28	16.07		150.0	
10543-	IEEE 802.11ac WiFi (40MHz, MCS9,	Z	<u> </u>	66.55			150.0	
<u>AAB</u>	99pc duty cycle)	X	5.41	66.68	16.29	0.00	150.0	± 9.6 %
		Y	5.39	66.31	16.11		150.0	
10544-		Z	5.20	66.56	16.18		150.0	
AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.49	66.70	16.18	0.00	150.0	± 9.6 %
<u> </u>		<u> </u>	5.45	66.31	15.98		150.0	
		Z	5.34	66.58	16.07		150.0	
10545- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.68	67.09	16.32	0.00	150.0	± 9.6 %
		Y	5.66	66.76	16.15		150.0	
		Z	5.51	66.98	16.23		150.0	<u> </u>
10546- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.57	66.94	16.26	0.00	150.0	± 9.6 %
		Y	5.54	66.57	16.08		150.0	
		Z	5.38	66.73	16.11		150.0	
10547- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.64	66.98	16.27	0.00	150.0	± 9.6 %
		Y	5.63	66.66	16.11		150.0	
		Z	5.45	66.79	16.14		150.0	
10548- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.90	67.92	16.71	0.00	150.0	± 9.6 %
		Y	5.97	67.87	16.68		150.0	
		Z	5.63	67.50	16.47		150.0	
10550- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.59	66.92	16.26	0.00	150.0	± 9.6 %
		Y	5.55	66.54	16.07		150.0	
		† <u>z</u>	5.42	66.82	16.17	<u> </u>	150.0	
10551- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	x	5.60	66.98	16.25	0.00	150.0	±9.6 %
		Y	5.56	66.60	16.06		150.0	
		Ż	5.40	66.75	16.10		150.0	
10552- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.51	66.77	16.16	0.00	150.0	± 9.6 %
		Y	5.47	66.37	15.96		150.0	
_	· · · · · · · · · · · · · · · · · · ·	Ż	5.35	66.67	16.06			
10553- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.60	66.81	16.21	0.00	<u>150.0</u> 150.0	±9.6%
		$+\gamma$	5.56	66.43	16.01		150.0	
		Z	5.41	66.65	16.08		150.0	
10554- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.89	67.05	16.26	0.00	150.0	±9.6%
		Y	5.86	66.69	16.08		150.0	
		Ż	5.75	66.91	16.14		150.0	
10555- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.02	67.35	16.38	0.00	150.0	± 9.6 %
		T	6.00	67.02	16.22		150.0	
		Z	5.86	67.17	16.25		150.0	
10556- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.04	67.39	16.40	0.00	150.0	± 9.6 %
		Y	6.02	67.06	16.23		150.0	
		Z	5.88	67.24	16.28		150.0	_
10557- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.01	67.32	16.38	0.00	150.0	±9.6 %
		++		<u> </u>	· ·			
		Y	5.99	66.98	16.22		150.0	

10558-	IEEE 802.11ac WiFi (160MHz, MCS4,	X	6.07	67.49	16.48	0.00	150.0	± 9.6 %
AAC _	99pc duty cycle)	+					<u> </u>	
		<u>Y</u>	6.05	67.17	16.33		150.0	
40500		Z	5.88	67.26	16.33		_ 150.0	
10560- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.06	67.34	16.44	0.00	150.0	± 9.6 %
		Y	6.04	66.99	16.28		150.0	
		Z	5.88	67.13	16.30		150.0	
10561- <u>A</u> AC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.98	67.30	16.46	0.00	150.0	± 9.6 %
		Y	5.96	66.96	16.30		150.0	
		Ż	5.81	67.11	16.32		150.0	
10562- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.11	67.72	16.67	0.00	150.0	± 9.6 %
		Y	6.12	67.46	16.55		150.0	
		Z	5.89	67.37	16.45		150.0	
10563- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.43	68.23	16.87	0.00	150.0	± 9.6 %
		Y	6.50	68.16	16.85		150.0	-
		Z	5.96	67.23	16.35	<u> </u>	150.0	· ·
10564- AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.91	66.93	16.51	0.46	150.0	± 9.6 %
		Y	4.88	66.54	16.31		150.0	
		Z	4.73	66.93	16.37		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	Х	5.16	67.40	16.83	0.46	150.0	± 9.6 %
		Y	5.13	67.02	16.64		150.0	
		z	4.93	67.35	16.69		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	4.99	67.26	16.66	0.46	150.0	± 9.6 %
		Y	4.96	66.87	16.45		150.0	
		Z	4.77	67.18	16.50	<u> </u>	150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.02	67.67	17.02	0.46	150.0	± 9.6 %
		Y	4.98	67.25	16.79		150.0	
		Z	4.81	67.60	16.88		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.90	67.00	16.42	0.46	150.0	± 9.6 %
		Y	4.87	66.62	16.22		150.0	
		z	4.67	66.94	16.22		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.97	67.73	17.07	0.46	150.0	± 9.6 %
		Y	4.93	67.29	16.83		150.0	
		z	4.78	67.78	10.00			
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.01	67.57	16. <u>99</u> 17.00	0.46	<u>150.0</u> 150.0	± 9.6 %
		Y	4.97	67.15	16.77		150.0	
		Z	4.80	67.57	16.89		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.17	65.22	16.39	0.46	130.0	± 9.6 %
		Y	1.09	63.89	15.30		130.0	
							130.0	
		ZI	1.10	04.48	15.68			
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	Z X	1.10	<u>64.48</u> 65.91	15.68 16.81	0.46	130.0	± 9.6 %
	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X Y				0.46	130.0	± 9.6 %
<u>AAA</u>	Mbps, 90pc duty cycle)	X Y	1.19 1.10	65.91 64.45	16.81 15.65	0.46	130.0 130.0	± 9.6 %
	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.19	65.91	16.81	0.46	130.0	± 9.6 %
AAA 10573-	Mbps, 90pc duty cycle)	X Y Z X	1.19 <u>1.10</u> <u>1.12</u> 11.95	65.91 64.45 65.08 118.97	16.81 15.65 16.07 33.95		130.0 130.0 130.0 130.0	
AAA 10573- AAA	Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X Y Z X Y	1.19 1.10 1.12 11.95 2.10	65.91 64.45 65.08 118.97 86.50	16.81 15.65 16.07 33.95 22.92		130.0 130.0 130.0 130.0 130.0	
AAA 10573-	Mbps, 90pc duty cycle)	X Y Z X	1.19 <u>1.10</u> <u>1.12</u> 11.95	65.91 64.45 65.08 118.97	16.81 15.65 16.07 33.95		130.0 130.0 130.0 130.0	
AAA 10573- AAA 10574-	Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	X Y Z X Y Z	1.19 1.10 1.12 11.95 2.10 2.78	65.91 64.45 65.08 118.97 86.50 93.83	16.81 15.65 16.07 33.95 22.92 26.37	0.46	130.0 130.0 130.0 130.0 130.0 130.0	± 9.6 %

•

							Λu	gust 23, 201
10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.69	66.71	16.57	0.46	130.0	± 9.6 %
·		Y	4.67	66.34	16.38		130.0	
10576-		Z	4.50	66.68	16.40		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.72	66.88	16.64	0.46	130.0	± 9.6 %
		Y	4.69	66.50	16.44	<u> </u>	130.0	<u> </u>
40577		Z	4.53	66.88	16.48		130.0	<u>├ - </u>
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	4.94	67.20	16.81	0.46	130.0	±9.6 %
		Y	4.91	66.83	16.62		130.0	
10578-		Z	4.71	67.13	16.63		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.83	67.37	16.92	0.46	130.0	±9.6 %
	<u> </u>	Y	4.81	66.98	16.72		130.0	
10570		Z	4.61	67.29	16.74		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.60	66.66	16.24	0.46	130.0	± 9.6 %
		Y	4.57	66.30	16.05		130.0	
10590		Z	4.37	66.49	16.00		130.0	
10580- II AAA C	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.64	66.67	16.25	0.46	130.0	± 9.6 %
		Y	4.62	66.31	16.06	_	130.0	
10581-		<u>Z</u>	4.41	66.55	16.03		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.73	67.42	16.87	0.46	130.0	± 9.6 %
		Y.	4.70	67.02	16.65		130.0	
10500		Ż	4.52	67.36	16.71		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.54	66.41	16.03	0.46	130.0	± 9.6 %
		Y	4.53	66.07	15.85		130.0	
		Z	4.30	66.25	15.78		130.0	
10583- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.69	66.71	16.57	0.46	130.0	± 9.6 %
		Y	4.67	66.34	16.38		130.0	
		Z	4.50	66.68	16.40		130.0	
10584- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.72	66.88	16.64	0.46	130.0	± 9.6 %
		Y	4.69	66.50	16.44		130.0	
		Z	4.53	66.88	16.48		130.0	
10585- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.94	67.20	16.81	0.46	130.0	± 9.6 %
		Y	4.91	66.83	16.62		130.0	
		Z	4.71	67.13	16.63		130.0	
10586- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.83	67.37	16.92	0.46	130.0	± 9.6 %
		Y	4.81	66.98	16.72		130.0	
1050-		Z	4.61	67.29	16.74		130.0	
10587- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.60	66.66	16.24	0.46	130.0	±9.6%
		Y	4.57	66.30	16.05		130.0	
40700		Z	4.37	66.49	16.00		130.0	
10588- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.64	66.67	16.25	0.46	130.0	±9.6 %
		Y	4.62	66.31	16.06		130.0	
10590		Z	4.41	66.55	16.03		130.0	
10589- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.73	67.42	16.87	0.46	130.0	±9.6 %
		Y	4.70	67.02	16.65		130.0	
10500		Z	4.52	67.36	16.71		130.0	
10590- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.54	66.41	16.03	0.46	130.0	± 9.6 %
		Y	4.53	<u>66.</u> 07	15.85		130.0	
		Z	4.30	66.25	15.78		130.0	

10591-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.84	66.77	16.66	0.46	130.0	± 9.6 %
AAB	MCS0, 90pc duty cycle)			00.77	10.00	0.40	100.0	1 3.0 %
		Y	4.82	66,41	16.48	_	130.0	
		Z	4.66	66.76	16.51		130.0	
10592-	IEEE 802.11n (HT Mixed, 20MHz,	X	5.01	67.12	16.79	0.46	130.0	± 9.6 %
AAB	MCS1, 90pc duty cycle)							- 0.0 /0
		Y	4.99	66.76	16.61		130.0	
		Z	4.79	67.07	16.64		130.0	
10593-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.93	67.04	16.68	0.46	130.0	± 9.6 %
AAB	MCS2, 90pc duty cycle)							20.0 /
		Y .	4.91	66.69	16.51		130.0	
		Ζ :	4.71	66.95	16.50		130.0	
10594-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.98	67.20	16.83	0.46	130.0	± 9.6 %
AAB	MCS3, 90pc duty cycle)	_				ĺ		
		Y	4.96	66.84	16.65		130.0	
	·	Z	4.76	67.13	16.67		130.0	
10595-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.95	67.16	16.73	0.46	130.0	± 9.6 %
AAB	MCS4, 90pc duty cycle)							
		Y	4.93	66.80	16.55		130.0	
		Z	4.73	67.10	16.57		130.0	·
10596-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.89	67.16	16.74	0.46	130.0	± 9.6 %
AAB	MCS5, 90pc duty cycle)							
		Y	4.87	66.79	16.55		130.0	
		Z	4.66	67.08	16.56		130.0	· · · ·
10597-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.84	67.08	16.63	0.46	130.0	± 9.6 %
AAB	MCS6, 90pc duty cycle)		_					
		Ý	4.82	66.71	16.44		130.0	
		Z	4.61	66.96	16.43	_	130.0	
10598-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.82	67.33	16.90	0.46	130.0	± 9.6 %
AAB	MCS7, 90pc duty cycle)							0.0 /0
		Y	4.80	66.95	16.70		130.0	
		Z	4.60	67.20	16.70		130.0	<u>†</u>
10599-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.51	67.30	16.83	0.46	130.0	± 9.6 %
_AAB	MCS0, 90pc duty cycle)						100.0	10.0 /0
		Y	5.50	67.04	16.72		130.0	
		Z	5.31	67.18	16.69		130.0	
10600-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.66	67.75	17.03	0.46	130.0	± 9.6 %
AAB	MCS1, 90pc duty cycle)						100.0	1 2 0.0 /0
		Y	5.70	67.66	17.00		130.0	
		Z	5.42	67.55	16.85		130.0	
10601-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.54	67.49	16.91	0.46	130.0	± 9.6 %
AAB	MCS2, 90pc duty cycle)					0.40	100.0	1 3.0 %
<u> </u>		Y	5.55	67.29	16.83		130.0	
		Z	5.33	67.34	16.76		130.0	
10602-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.62	67.47	16.82	0.46	130.0	± 9.6 %
AAB	MCS3, 90pc duty cycle)				10.02	0.40	100.0	± 3.0 %
		Y	5.64	67.27	16.74	-	130.0	<u> </u>
		Z	5.46	67.51	16.77	<u>├</u>	130.0	<u> </u>
10603-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.72	67.83	17.13	0.46	130.0	±9.6 %
AAB	MCS4, 90pc duty cycle)			000		0.40	150.0	1 3.0 %
		Y	5.72	67.56	17.01		130.0	<u> </u>
		Z	5.53	67.80	17.05		130.0	
10604-	IEEE 802.11n (HT Mixed, 40MHz,	-+ - -	5.51	67.26	16.84	0.46	130.0	+02 ~
AAB	MCS5, 90pc duty cycle)			01.20	10.04	0.40	130.0	± 9.6 %
		Y	5.51	67.00	16.72		130.0	├── <u>−</u>
		Z	5.40	67.44	16.85		130.0	<u> </u>
10605-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.62	67.58	16.99	0.46		
AAB	MCS6, 90pc duty cycle)		0.94	01.00	10.33	0.46	130.0	± 9.6 %
		Ŷ	5.63	67.37	16.91		120.0	<u> </u>
		Z	<u> </u>	67.48			130.0	
10606-	IEEE 802.11n (HT Mixed, 40MHz,	2 X	5.39	67.04	16.86	0.40	130.0	
AAB	MCS7, 90pc duty cycle)		0.00	07.04	16.59	0.46	130.0	± 9.6 %
		Y	5.38	66.75	18 48	L	400.0	<u> </u>
			<u> </u>		16.46	L	130.0	<u> </u>
			0.10	66.82	16.39		130.0	

10007							Λu	just 23, 20
10607- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.69	66.11	16.30	0.46	130.0	± 9.6 %
		Y	4.65	65.70	16.09		130.0	
10608-	IEEE 802 1100 WIEI (2014)	Z	4.51	66.12	16.16		130.0	
	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.89	66.54	16.47	0.46	130.0	± 9.6 %
		Y	4.86	66.13	16.26		130.0	
10609-		Z	4.67	66.48	16.32		130.0	
<u>AAB</u>	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	×	4.78	66.40	16.32	0.46	130.0	± 9.6 %
		Y	4.74	65.99	16.10		130.0	
10610-		Z	4.56	66.32	16.14		130.0	<u> </u>
AAB	IEEE 802.11ac WIFi (20MHz, MCS3, 90pc duty cycle)	×	4.83	66.56	16.48	0.46	130.0	±9.6 %
		Y	4.80	66.15	16.27		130.0	
10611	IEEE 802.11ac WiFi (20MHz, MCS4,	Z	4.61	66.49	16.31		130.0	
10611- AAB	90pc duty cycle)	X	4.74	66.37	16.33	0.46	130.0	±9.6 %
		<u> </u>	4.71	65.96	16.12		130.0	
10612-		Z	4.52	66.28	16.15		130.0	
AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.76	66.53	16.38	0.46	130.0	± 9.6 %
		<u> </u>	4.73	66.12	16.16		130.0	
10613-		Z	4.52	66.43	16.20		130.0	
AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.76	66.43	16.27	0.46	130.0	±9.6 %
		<u>Y</u>	4.74	66.03	16.06		130.0	
10614		Z	4.52	66.26	16.05		130.0	
10614- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.70	66.62	16.50	0.46	130.0	± 9.6 %
		Y	4.67	66.19	16.28		130.0	
40045		Z	4.48	66.49	16.31		130.0	
10615- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.74	66.19	16.10	0.46	130.0	± 9.6 %
		Y	4.72	65.79	15.90		130.0	
10616-		Z	4.52	<u>66</u> .11	15.92		130.0	
	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.34	66.61	16.47	0.46	130.0	± 9.6 %
		Y	5.32	66.28	16.32		130.0	
40047		Z	5.14	66.47	16.32		130.0	
10617- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.40	66.74	16.51	0.46	130.0	±9.6%
		Y	5.38	66.41	16.35		130.0	
40040		Z	5.21	66.65	16.39		130.0	
10618- AAB	IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)	×	5.29	66.79	16.56	0.46	130.0	± 9.6 %
	<u> </u>	Y	5.27	66.46	16.39		130.0	
10010		Z	5.11	<u>66.70</u>	16.43		130.0	
10619- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.31	66.61	16.40	0.46	130.0	± 9.6 %
	<u> </u>	Y	5.30	66.30	16.25		130.0	
10000		_ Z	5.11	66.46	16.24		130.0	
10620- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.41	66.67	16.47	0.46	130.0	± 9.6 %
		<u> </u>	5.41	66.38	16.34		130.0	
10621-		Z	5.19	66.48	16.30		130.0	
AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.40	66.76	16.64	0.46	130.0	± 9.6 %
	+	<u>Y</u>	5.38	66.43	<u>16.48</u>		130.0	
10622		<u></u>	5.21	66.64	16.50		130.0	
10622- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	×	5.41	66.91	16.70	0.46	130.0	±9.6%
		Ý	5.39	66.60	16.55		1 <u>30.</u> 0	
		Z	5.20	66.74	16.55		130.0	

10000							<u> </u>	<u> </u>
10623- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.29	66.45	16.36	0.46	130.0	± 9.6 %
		Y	5.27	66.40	10 00		400.0	
	<u> </u>	Z	<u>5.27</u> 5.08	66.12	16.20		130.0	
10624-	IEEE 802.11ac WiFi (40MHz, MCS8,	$\frac{2}{X}$	5.48	<u>66.28</u> 66.64	<u>16.19</u> 16.51	0.46	_ <u>130.0</u> 130.0	± 9.6 %
AAB	90pc duty cycle)		J.40	00.04	10.51	0.40	130.0	±9.0%
		Y	5.47	66.35	16.38		130.0	
		Ż	5.28	66.51	16.36		130.0	
10625-	IEEE 802.11ac WiFi (40MHz, MCS9,		5.87	67.67	17.07	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)	~	0.01	01.01	11.01	0.40	130.0	1 9.0 %
		Y	5.92	67.56	17.03		130.0	
		Z	5.48	66.99	16.66		130.0	
10626-	IEEE 802.11ac WiFi (80MHz, MCS0,	X	5.62	66.65	16.41	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)			_				
		Y	5.59	66.32	16.26		130.0	
		Z	5.46	66.52	16.28		130.0	
10627-	IEEE 802.11ac WiFi (80MHz, MCS1,	X	5.86	67.19	16.64	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)							
		<u>Y</u>	5.87	66.96	16.54	_	130.0	
40000		Z	5.68	67.07	16.52		130.0	
10628- AAB	IEEE 802.11ac WiFi (80MHz, MCS2,	Х	5.67	66.78	16.37	0.46	130.0	± 9.6 %
	90pc duty cycle)			0.0.1-	4			L
		Y	5.65	66.49	16.24		130.0	
10629-	IEEE 802.11ac WiFi (80MHz, MCS3,	Z	5.47	66.52	16.18		130.0	
AAB	_ 90pc duty cycle)	X	5.76	66.87	16.41	0.46	130.0	±9.6%
<u></u>		Y	5.74	00 FF	40.00		400.0	
		Z	5.55	66.55 66.62	16.26 16.22		130.0	
10630-	IEEE 802.11ac WiFi (80MHz, MCS4,	<u> </u>	6.21	68.41		0.46	130.0	
AAB	90pc duty cycle)	^	0.21	00.41	17.17	0.46	130.0	±9.6 %
		Y	6.36	68.57	17.26		130.0	
		Ż	5.84	67.72	16.78		130.0	
10631-	IEEE 802.11ac WiFi (80MHz, MCS5,	T	6.11	68.22	17.27	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)			00.22	11.21	0.40	100.0	1 9.0 %
		Y	6.15	68.07	17.21		130.0	<u> </u>
		Z	5.81	67.73	16.97		130.0	
10632-	IEEE 802.11ac WiFi (80MHz, MCS6,	X	5.83	67.26	16.81	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)			_				10.0 %
		Y	5.82	66.98	16.68		130.0	
		Z	5.67	67.19	16.73		130.0	
10633-	IEEE 802.11ac WiFi (80MHz, MCS7,	X	5.73	66.95	16.48	0.46	130.0	±9.6 %
AAB	90pc duty cycle)	_						
	<u> </u>	<u> </u>	<u> </u>	66.66	16.35		130.0	
40604		Z	5.54	66.74	16.32		130.0	
10634- AAB	IEEE 802.11ac WiFi (80MHz, MCS8,		5.72	66.98	16.56	0.46	130.0	± 9.6 %
AAD	90pc duty cycle)	-						
		Y	5.70	66.65	16.41		130.0	
10635-		Z	5.52	66.78	16.40		130.0	
AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.60	66.32	15.97	0.46	130.0	± 9.6 %
		+ -		00.07		_		
		Y	5.59	66.03	15.84		130.0	
10636-	IEEE 802.11ac WiFi (160MHz, MCS0,	Z	5.39	66.04	15.76		130.0	<u> </u>
AAC	90pc duty cycle)	X	6.03	67.02	16.50	0.46	130.0	±9.6 %
		Y	6 00	66.74	40.07			
	<u>+</u>	Z	<u>6.02</u> 5.89	66.74	16.37	<u> </u>	130.0	<u> </u>
10637-	IEEE 802.11ac WiFi (160MHz, MCS1,	- <u>2</u> X		66.87	16.36	0.10	130.0	
AAC	90pc duty cycle)	^	6.19	67.40	16.66	0.46	130.0	± 9.6 %
		Y	6.19	67.15	16.56		100.0	
		Ż	6.02	67.15			130.0	
10638-	IEEE 802.11ac WiFi (160MHz, MCS2,	X	6.19	67.38	16.51	0.46	130.0	
AAC	90pc duty cycle)		0.19	01.30	16.63	0.46	130.0	± 9.6 %
		Y	6.19	67.12	16.52		120.0	
		z	6.03	67.21	16.52	— — —	130.0	<u> </u>
		<u> </u>	0.00	0.21	10.49	L	130.0	

40000							Au	gust 23, 201
10639- 	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.18	67.36	16.66	0.46	130.0	± 9.6 %
		Y	6.17	67.09	16.55	+	130.0	<u>+</u>
10640-		Z	6.00	67.13	16.50		130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.19	67.39	16.62	0.46	130.0	± 9.6 %
		Y	6.20	67.16	16.53	†	130.0	{_ _
40044		<u>Z</u>	5.99	67.11	16.43		130.0	
10641- AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.21	67.22	16.56	0.46	130.0	± 9.6 %
		Y	6.20	66.94	16.44		130.0	
10642-		Z	6.05	67.08	16.43		130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.27	67.52	16.87	0.46	130.0	± 9.6 %
		Y	6.26	67.23	16.75		130.0	
10643-	IEEE 802.11ac WiFi (160MHz, MCS7,	Z	6.09	67.31	16.72	<u> </u>	130.0	
AAC	90pc duty cycle)	X	6.10	67.19	16.61	0.46	130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	6.09	66.93	<u>16.50</u>		130.0	
10644-	IEEE 802.11ac WiFi (160MHz, MCS8,	<u>Z</u>	5.93	67.00	16.46		130.0	
AAC	90pc duty cycle)	X	6.29	67.77	16.92	0.46	130.0	± 9.6 %
		Y	6.32	67.61	16.86		130.0	
10645-	IEEE 802.11ac WiFi (160MHz, MCS9,	<u>Z</u>	6.02	67.30	16.63		130.0	
AAC	90pc duty cycle)	X	6.72	68.61	17.29	0.46	130.0	±9.6 %
		Y	6.81	68.60	17.31		130.0	
10646-		Z	6.13	67.29	16.58		130.0	
AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	26.22	119.06	40.53	9.30	60.0	± 9.6 %
		Y	23.98	116.77	40.23		60.0	
40047		Z	13.39	105.96	36.68		60.0	
10647- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	21.91	115.56	39.67	9.30	60.0	± 9.6 %
_		Y	20.79	114.08	39.59		60.0	
10648-		Ž	11.12	102.25	35.63		60.0	
AAA	CDMA2000 (1x Advanced)	X _	0.80	65.60	12.34	0.00	150.0	±9.6 %
		Y	0.65	62.69	10.17		150.0	
10652-		Z	0.58	62.96	<u>9</u> .61		150.0	
AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.70	67.38	17.08	2.23	80.0	± 9.6 %
		Y	3.59	66.56	16.66		80.0	
10653-		Ž	3.39	66.83	16.41		80.0	
AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.17	66.50	17.03	2.23	80.0	± 9.6 %
		Y	4.11	65.95	16.76		80.0	
10654-		Z	3.90	66.02	16.55		80.0	
AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.13	66.12	17.00	2.23	80.0	± 9.6 %
	<u> </u>	Y	4.07	65.60	16.75		80.0	
10655		Z	3.90	65.62	16.55		80.0	
10655- AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	x	4.19	66.12	17.04	2.23	80.0	±9.6 %
		Y	4.13	65.62	16.79		80.0	
10650		Z	3.96	65.57	16.58		80.0	
10658- AAA	Pulse Waveform (200Hz, 10%)	X	100.00	111.27	26.15	10.00	50.0	± 9.6 %
		Y	100.00	112.15	26.71		50.0	
10650		Z	14.35	85.50	18.40		50.0	
10659- AAA	Pulse Waveform (200Hz, 20%)	X	100.00	110.66	24.83	6.99	60.0	± 9.6 %
		Y	<u>10</u> 0.00	110.25	24.76		60.0	
		Z	100.00	105.29	22.07		60.0	

10660- AAA	Pulse Waveform (200Hz, 40%)	X	100.00	112.93	24.53	3.98	80.0	± 9.6 %
		Y	100.00	108.47	22.64		80.0	
		Z	100.00	104.83	20.58		80.0	
10661- AAA	Pulse Waveform (200Hz, 60%)	X	100.00	118.71	25.68	2.22	100.0	± 9.6 %
		Y	100.00	104.33	19.70		100.0	
		Z	100.00	104.48	19.32		100.0	
10662- AAA	Pulse Waveform (200Hz, 80%)	X	100.00	138.66	31.49	0.97	120.0	± 9.6 %
		Y	0.19	60.00	4.09		120.0	
		Z	100.00	91.23	12.90		120.0	

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

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS) 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

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	q
Calibration date:	April 24, 2019	
	nents the traceability to national standards, which realize the physical units of measurements (SI). ertainties 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
Calibrated by:	Claudio Leubler	Laboratory Technician	
			UNI-
Approved by:	Katja Pokovic	Technical Manager	IV II C
			AL 15
			Issued: April 24, 2019
This calibration certificate	e shall not be reproduced except in full	without written approval of the labo	ratory.



Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

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	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	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., $\vartheta = 0$ is normal to probe axis
Connector Angle	information (and in DAOV) surface to allow mathematical and (it is a structure of the struc

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).

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.37	0.48	0.41	± 10.1 %
DCP (mV) ^B	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 ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	175.5	± 2.7 %	± 4.7 %
		Y	0.00	0.00	1.00		162.7	1	
		Z	0.00	0.00	1.00		160.1	1	
10352-	Pulse Waveform (200Hz, 10%)	X	1.63	60.99	8.59	10.00	60.0	± 3.2 %	± 9.6 %
AAA		Y	15.00	88.78	20,10	1	60.0	1	
		Z	1.92	62.77	9.39	1	60.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	1.28	62.05	7.66	6.99	80.0	± 2,1 %	± 9.6 %
AAA		Y	15.00	92.12	20,60	1	80.0		
		Z	1.44	63.37	8.24		80.0	1	
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	1	95.0	1	
		Z	0.50	60.00	4.96	1	95.0	1	
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	1	120.0	1	
		Z	0.32	60.00	3.17		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.47	60.00	5.85	0.00	150.0	± 3.4 %	± 9.6 %
AAA		Y	0.84	63.60	10,73	1	150.0	1	
		Z	0.47	60.00	5.64		150.0	1	
10388-	QPSK Waveform, 10 MHz	X	2.22	69.17	16.45	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Y	2.39	69.28	16.48		150.0	1	
		Z	2.05	67.86	15.44	1	150.0	1	
10396-	64-QAM Waveform, 100 kHz	X	1.74	66.32	18.65	3.01	150.0	± 6.4 %	± 9.6 %
AAA		Y	3.21	72.13	19.45		150.0	1	
		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		Y	3.59	67.57	16.11]	150.0		
		Z	3.40	67.11	15.75		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.79	65.80	15.93	0.00	150.0	± 4.6 %	± 9.6 %
AAA		Y	4.92	65.80	15.71]	150.0		
		Z	4.73	65.72	15.66]	150.0	ĺ	

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.

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ²	T2 ms.V⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
Х	37.3	299.85	40.64	5.98	0.77	5.00	0.00	0.00	1.02
Y	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

Sensor Model Parameters

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
	·····

			¥						
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (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 %	

Calibration Parameter Determined in Head Tissue Simulating Media

^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 (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to

⁶ 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. ⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

^o 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.

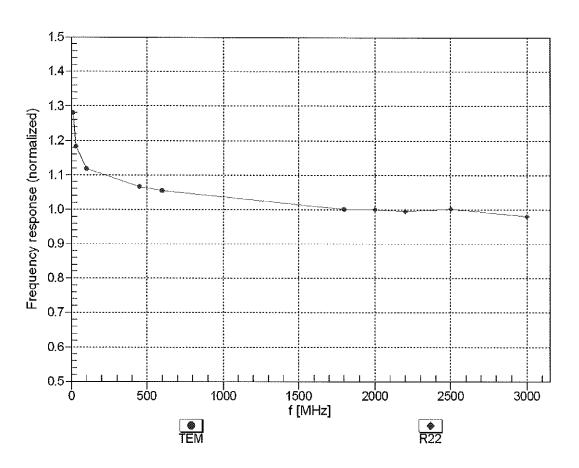
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.19	10.19	10.19	0.37	0.96	± 12.0 %
835	55.2	0.97	9.95	9.95	9.95	0.47	0.80	± 12.0 %
1750	53.4	1.49	8.26	8.26	8.26	0.35	0.85	± 12.0 %
1900	53.3	1.52	7.93	7.93	7.93	0.32	0.90	± 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 %

Calibration Parameter Determined in Body Tissue Simulating Media

^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.

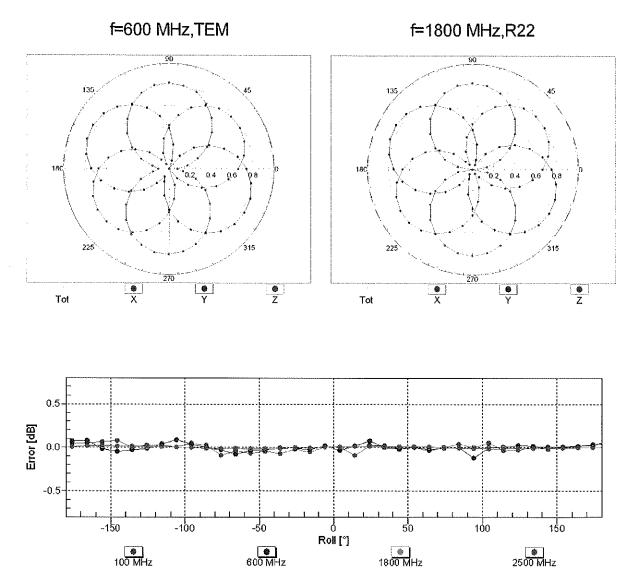
At frequencies below 3 GHz, the validity of tissue parameters (e and o) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (s and o) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



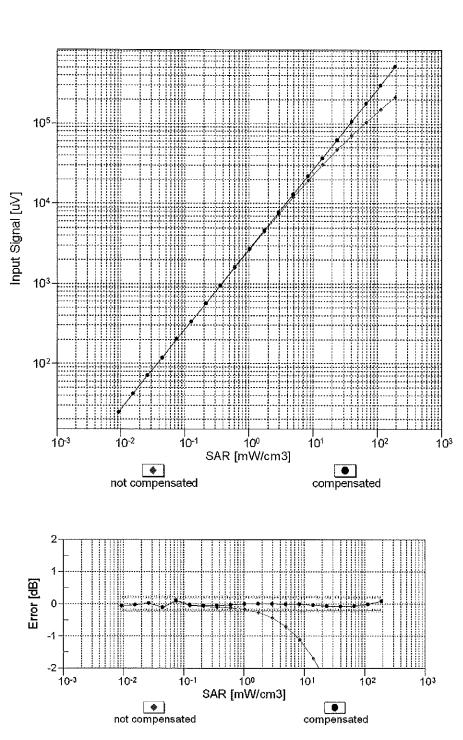
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



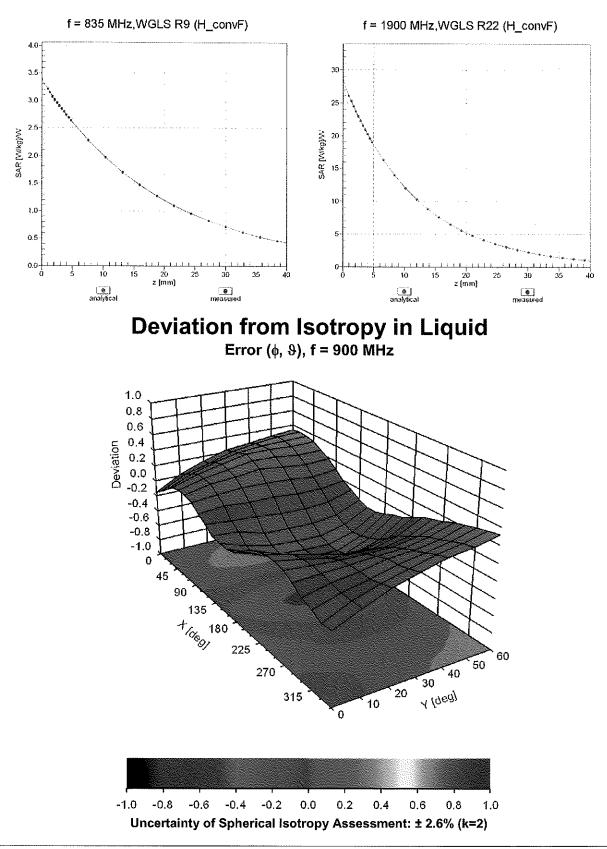
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)

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



Conversion Factor Assessment

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR	Unc ^E
				(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 WLAN	2.91 1.87	<u>±9.6 %</u> ±9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	9.46	$\pm 9.6\%$ $\pm 9.6\%$
10013 10021	CAB DAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) GSM-FDD (TDMA, GMSK)	GSM	9.46	$\pm 9.6\%$ $\pm 9.6\%$
10021	DAC	GPRS-FDD (TDMA, GMSK) GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.59	± 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 %
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		IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	$\pm 9.6\%$
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth CDMA2000	4.10	±9.6 % ±9.6 %
10039 10042	CAB CAB	CDMA2000 (1xRTT, RC1) IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	4.57 7.78	± 9.6 %
10042	CAB	IS-91/EIA/TIA-553 FDD (TDMA/FDM, P1/4-DQPSK, Hairate)	AMPS	0.00	± 9.6 %
10044	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6 %
10045	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		IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6 % ±9.6 %
10069	CAC CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN WLAN	10.56 9.83	±9.6 % ±9.6 %
10071		IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.63	$\pm 9.6\%$
10072		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.94	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 10 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 %

April 24, 2019

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	
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)			± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 37 Mbps, 10-QAM)	WLAN	8.59	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	WLAN	8.13	± 9.6 %
10140	CAE		LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
		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)			
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 %
10155	CAE		LTE-FDD	6.56	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	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	1	
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)		6.50	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	5.72	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.52	±9.6 %
10185	CAE		LTE-FDD	6.50	±9.6 %
10185		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±96%
		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 %
				2.22	/0

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	8.06	±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, 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 LTE-TDD	10.25	±9.6 % ±9.6 %
10231	CAC CAF	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	<u>9,19</u> 9.48	$\pm 9.6\%$
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±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, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 10-QAW)	LTE-TDD	10.25	± 9.6 %
10230	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 %
10233	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 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6 %
10242	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 %
10244	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-TDD	9.92	± 9.6 %
10266		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)		9.58	±9.6%
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)		4.87	$\pm 9.6\%$
10275		UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96 11.81	$\pm 9.6\%$
10277		PHS (QPSK)	PHS PHS	11.81	$\pm 9.6\%$
10278	CAA CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 % ± 9.6 %
10279	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	$\pm 9.6\%$
10290			CDMA2000 CDMA2000	3.46	$\pm 9.6\%$ $\pm 9.6\%$
10291	AAB AAB	CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	$\pm 9.6\%$ $\pm 9.6\%$
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.59	$\pm 9.6\%$
10293	AAB	CDMA2000, RC3, SO3, Pull Rate 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	$\pm 9.6\%$
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 %
				1 2120	L _ <u> / / / / / / / / / / / / / / / / </u>

10300					
10300	AAD AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)		12.03	± 9.6 %
10002		symbols)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WIMAX	15.24	± 9.6 %
		symbols)		10.24	1 0.0 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WIMAX	14.67	± 9.6 %
		symbols)		11.07	
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 %
10010		symbols)			
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	Wimax	14.57	± 9.6 %
40044		symbols)			
10311 10313	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	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 AAC	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	Pulse Waveform (200Hz, 10%)	WLAN	8.36	±9.6 %
10352	AAA	Pulse Waveform (200Hz, 20%)	Generic	10.00	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Generic	6.99	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Generic	3.98	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	2.22	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	0.97	±9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.10	± 9,6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic Generic	5.22	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz		6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)		6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN WLAN	8.37 8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 % ± 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	$\pm 9.6\%$
		Subframe=2,3,4,7,8,9, Subframe Conf=4)		1.02	+ 3.0 /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)			
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 %
10447	AAD	Subframe=2,3,4,7,8,9)			
10447		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	7.53	±9.6%
10449	AAC	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	±9.6%
10400	770		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 %
10462	AAA	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL	LTE-TDD	8.30	± 9.6 %
10702		Subframe=2,3,4,7,8,9)		0.00	
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 %
40407		Subframe=2,3,4,7,8,9)		7 00	1060/
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	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 %
		Subframe=2,3,4,7,8,9)			
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	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)			
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 %
10491	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10491		Subframe=2,3,4,7,8,9)		'.(*	- 5.0 %

.

April 24, 2019

Subframe-23.47,8.9) LTE-TDD Res 10493 AKE LTE-TDD 8.55 1 10494 AF LTE-TDD 7.74 1 10494 AF LTE-TDD 7.74 1 10495 AF LTE-TDD 8.37 1 10496 AF LTE-TDD 8.37 1 10496 AF LTE-TDD 8.54 1 10497 AA LTE-TDD 8.54 1 10497 AA LTE-TDD 8.64 1 10498 AA LTE-TDD 8.64 1 10499 AA LTE-TDD 8.64 1 10499 AA LTE-TDD 8.68 1 10500 AB LTE-TDD 8.68 1 1 10501 AB LTE-TDD 8.64 1 1 10502 AB LTE-TDD 8.44 1 1 10503 AAE LTE-TDD 8.					
10493 AAE LTE-TDD (SC-FDMA), 50% RB, 3D MHz, QPSK, UL LTE-TDD 8.55 10494 AAF LTE-TDD (SC-FDMA), 50% RB, 20 MHz, QPSK, UL LTE-TDD 7.74 10495 AAF LTE-TDD (SC-FDMA), 50% RB, 20 MHz, 16-QAM, UL LTE-TDD 8.37 10496 AAF LTE-TDD (SC-FDMA), 50% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.54 10497 AAA LTE-TDD (SC-FDMA), 100% RB, 14 MHz, QPSK, UL LTE-TDD 8.64 10498 AAA LTE-TDD (SC-FDMA), 100% RB, 14 MHz, QPSK, UL LTE-TDD 8.68 10499 AAA LTE-TDD (SC-FDMA), 100% RB, 3 MHz, 16-QAM, UL LTE-TDD 8.68 10499 AAA LTE-TDD (SC-FDMA), 100% RB, 3 MHz, 16-QAM, UL LTE-TDD 8.68 10500 AAB LTE-TDD (SC-FDMA), 100% RB, 3 MHz, 16-QAM, UL LTE-TDD 8.64 10501 AAB Subframe-2, 3.4, 7.83 MHz, 16-QAM, UL LTE-TDD 8.64 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK, UL LTE-TDD 8.52 1 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK,	± 9.6 %	8.41	LTE-TDD		10492 A
10494 AF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL LTE-TDD 7.74 3 10495 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.37 3 10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.64 3 10497 AAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK, UL LTE-TDD 8.64 3 10498 AAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK, UL LTE-TDD 8.66 3 10499 AAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0PSK, UL LTE-TDD 8.66 3 10500 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0PSK, UL LTE-TDD 8.68 3 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 0PSK, UL LTE-TDD 8.62 3 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL LTE-TDD 8.52 3 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL LTE-TDD 8.54 3 3 3 3 3 3 3 3 3	± 9.6 %	8.55	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	10493 A/
10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 46-QAM, UL LTE-TDD 8.37 2 10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.54 3 10497 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, OPSK, UL LTE-TDD 8.54 3 10497 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL LTE-TDD 8.66 3 10498 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL LTE-TDD 8.68 3 10500 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 04-QAM, UL LTE-TDD 8.68 3 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 04-QAM, UL LTE-TDD 8.64 3 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 04-QAM, UL LTE-TDD 8.52 3 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL LTE-TDD 8.52 3 10502 AB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM, UL LTE-TDD 8.54 3 10504 AB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM, UL LTE-TDD 8.54 3 10505 AE LTE-TDD	± 9.6 %	7.74	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	10494 A/
10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.54 1 10497 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, OPSK, UL LTE-TDD 7.67 1 10498 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL LTE-TDD 8.64 1 10499 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL LTE-TDD 8.68 1 10499 AAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 04-QAM, UL LTE-TDD 8.68 1 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL LTE-TDD 8.44 1 10501 AB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL LTE-TDD 8.44 1 10502 AB LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM, UL LTE-TDD 8.52 1 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM, UL LTE-TDD 8.54 1 10504 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM, UL LTE-TDD 8.54 1 10505 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 04-QAM, UL LTE-TDD 8.54 1 10506 AAE LTE	± 9.6 %	8.37	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL	10495 AA
10497 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL LTE-TDD 7.67 1 10498 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL LTE-TDD 8.40 1 10499 AAA LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL LTE-TDD 8.68 1 10500 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL LTE-TDD 8.68 1 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK, UL LTE-TDD 8.44 1 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPAM, UL LTE-TDD 8.52 3 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL LTE-TDD 8.54 3 10504 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GPAM, UL LTE-TDD 8.31 2 10505 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL LTE-TDD 8.34 3 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL LTE-TDD 8.55 3 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPAM, UL LTE-TDD	± 9.6 %	8.54	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL	10496 AA
10498 AAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM, UL LTE-TDD 8.40 3: 10499 AAA LTE-TDD (SC-FDMA, 100% RB, 31 MHz, QPSK, UL LTE-TDD 8.68 3: 10500 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL LTE-TDD 7.67 3: 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL LTE-TDD 8.44 3: 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL LTE-TDD 8.52 3: 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL LTE-TDD 7.72 3: 10504 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL LTE-TDD 8.31 4: 10505 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL LTE-TDD 8.31 4: 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, GPSK, UL LTE-TDD 8.54 3: 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL LTE-TDD 8.55 3: 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPGK, UL LTE-TDD	± 9.6 %	7.67	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	10497 AA
10499 AAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 64-QAM, UL LTE-TDD 8.68 1 10500 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL LTE-TDD 7.67 1 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL LTE-TDD 8.44 1 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL LTE-TDD 8.52 3 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 04-QAM, UL LTE-TDD 8.52 3 10504 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 06-QAM, UL LTE-TDD 8.31 1 10505 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL LTE-TDD 8.54 3 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 0PSK, UL LTE-TDD 8.54 3 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 0PSK, UL LTE-TDD 7.74 3 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL LTE-TDD 8.36 3 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD 8.55 3 10508 AAE LTE-TDD (± 9.6 %	8.40	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL	10498 AA
10500 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL LTE-TDD 7.67 1 10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL LTE-TDD 8.44 1 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL LTE-TDD 8.52 3 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 0FSK, UL LTE-TDD 7.72 3 10504 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL LTE-TDD 8.31 3 10505 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL LTE-TDD 8.31 3 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL LTE-TDD 8.54 3 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL LTE-TDD 8.56 3 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD 8.36 3 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD 8.49 3 10510 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPA, UL LTE-TDD	± 9.6 %	8.68	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	10499 AA
10501 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL LTE-TDD 8.44 1 10502 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL LTE-TDD 8.52 3 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL LTE-TDD 7.72 3 10504 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL LTE-TDD 8.31 2 10505 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL LTE-TDD 8.54 3 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL LTE-TDD 7.74 3 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD 8.36 2 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD 8.36 2 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD 8.36 2 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD 8.36 3 10510 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-T	± 9.6 %	7.67	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL	10500 AA
Subframe=2,3,4,7,8,9) LTE-TDD 7.72 3 10503 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.72 3 10504 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.31 3 10505 AAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.54 3 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.55 3 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.36 3 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.55 3 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.49 3 10510 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.49 3 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.42 3	± 9.6 %	8.44	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	10501 AA
Subframe=2,3,4,7,8,9 Internet Interne Internet Internet </td <td>± 9.6 %</td> <td>8.52</td> <td>LTE-TDD</td> <td></td> <td></td>	± 9.6 %	8.52	LTE-TDD		
Subframe=2,3,4,7,8,9) International construction of the second seco	± 9.6 %	7.72	LTE-TDD	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 Ref LTE 10506 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL LTE-TDD 7.74 3 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL LTE-TDD 8.36 3 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD 8.55 4 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD 7.99 4 10510 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD 8.49 4 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD 8.49 4 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL LTE-TDD 8.49 4 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, G4-QAM, UL LTE-TDD 8.42 4 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.42 4 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.42 4 105	± 9.6 %	8.31	LTE-TDD	Subframe=2,3,4,7,8,9)	
Subframe-2,3,4,7,8,9 LTE-TDD R.1 R.1 10507 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.36 4 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.55 4 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe-2,3,4,7,8,9) LTE-TDD 7.99 4 10510 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.51 4 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.51 4 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.42 4 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, G+QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.45 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, G+QAM, UL Subframe-2,3,4,7,8,9) LTE-TDD 8.45 4 10513 AAA LEE 802.116 WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.58 4	± 9.6 %	8.54	LTE-TDD	Subframe=2,3,4,7,8,9)	
Subframe=2,3,4,7,8,9) LTE-TDD Store Store 10508 AAE LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD 8.55 4 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD 7.99 4 10510 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL LTE-TDD 8.49 4 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL LTE-TDD 8.49 4 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD 8.51 4 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL LTE-TDD 7.74 4 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL LTE-TDD 8.42 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.45 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.45 4 10514 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.58 4 <td>± 9.6 %</td> <td>7.74</td> <td>LTE-TDD</td> <td></td> <td></td>	± 9.6 %	7.74	LTE-TDD		
Subframe=2,3,4,7,8,9) LTE-TDD Subframe=2,3,4,7,8,9) 10509 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD 7.99 4 10510 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL LTE-TDD 8.49 4 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD 8.51 4 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL LTE-TDD 7.74 4 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL LTE-TDD 7.74 4 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL LTE-TDD 8.42 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL LTE-TDD 8.45 4 10515 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.58 4 10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 4 10517 AAA IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.39	± 9.6 %	8.36	LTE-TDD	· · · · · · · · · · · · · · · · · · ·	
Subframe=2,3,4,7,8,9) International and status Internatio	± 9.6 %	8.55	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	
Subframe=2,3,4,7,8,9) LTE-TDD State 10511 AAE LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.51 4 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.74 4 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.42 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.45 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.45 4 10515 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.58 4 10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 4 10517 AAA IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 4 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 4 10520 AAB <t< td=""><td>± 9.6 %</td><td>7.99</td><td>LTE-TDD</td><td>Subframe=2,3,4,7,8,9)</td><td></td></t<>	± 9.6 %	7.99	LTE-TDD	Subframe=2,3,4,7,8,9)	
Subframe=2,3,4,7,8,9) LTE-TDD Cloth 10512 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.74 4 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.42 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.45 4 10515 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.58 4 10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.58 4 10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 4 10516 AAA IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 4 10517 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 4 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 4 10521 AAB IEEE 802.11a/h WiFi 5	± 9.6 %	8.49	LTE-TDD	Subframe=2,3,4,7,8,9)	
Subframe=2,3,4,7,8,9) LTE-TOD R.42 10513 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.42 4 10514 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.45 4 10515 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.58 4 10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.57 4 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 4 10517 AAA IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 1.58 4 10517 AAA IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 1.58 4 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.23 4 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 4 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM,	± 9.6 %	8.51	LTE-TDD	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) CHE HDD CHE HDD </td <td>± 9.6 %</td> <td>7.74</td> <td>LTE-TDD</td> <td></td> <td></td>	± 9.6 %	7.74	LTE-TDD		
Subframe=2,3,4,7,8,9) WLAN 1.58 10515 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN 1.58 ± 10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.57 ± 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 ± 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 ± 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 ± 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 ± 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 ± 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) </td <td>± 9.6 %</td> <td>8.42</td> <td>LTE-TDD</td> <td>LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL</td> <td>10513 AA</td>	± 9.6 %	8.42	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL	10513 AA
10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.57 ± 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 ± 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 ± 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 ± 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 ± 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.12 ± 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 ± 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.36 ± 105	± 9.6 %	8.45	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	10514 AA
10516 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle) WLAN 1.57 ± 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 ± 10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 ± 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 ± 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 ± 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.12 ± 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 ± 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.36 ± 105	± 9.6 %	1.58	WLAN	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	10515 AA
10517 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle) WLAN 1.58 1 10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 1 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 1 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.12 1 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 1 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 1 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 1 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 1 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.26 1 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 1 10526	± 9.6 %				10516 AA
10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 1 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.23 1 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 1 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 1 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 1 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 1 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 1 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 1 10525 AAB IEEE 802.11ac/h WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 1 10527 <	± 9.6 %			IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99nc duty cycle)	
10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 4 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 4 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 8.12 4 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 4 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 4 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 4 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.08 4 10524 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 4 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 4 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.42 4 10527 AAB <td>± 9.6 %</td> <td></td> <td></td> <td>IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbns, 99nc duty cycle)</td> <td></td>	± 9.6 %			IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbns, 99nc duty cycle)	
10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 1 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 1 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 1 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 1 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 1 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.08 1 10525 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 1 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 1 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 1 10529 AAB <td>± 9.6 %</td> <td></td> <td></td> <td>IEEE 802.11a/h WiFi 5 GHz (OEDM 12 Mbps, 99nc duty cycle)</td> <td>10519 AA</td>	± 9.6 %			IEEE 802.11a/h WiFi 5 GHz (OEDM 12 Mbps, 99nc duty cycle)	10519 AA
10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 1 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 7.97 1 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 1 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 1 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 1 10525 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 1 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 1 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 1 10529 AAB	± 9.6 %	-		IFEE 802 11a/b WIEI 5 GHz (OEDM 18 Mbps, 99pc duty cycle)	
10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 1 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 1 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 1 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 1 10525 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 1 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 1 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 1 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 1 10529 AAB IEEE				IEEE 802 11a/b WiFi 5 GHz (OEDM, 24 Mbps, 90pc duty cyclo)	
10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.08 ± 10525 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ±	± 9.6 %			IEEE 802 11a/h WIEI 5 GHz (OEDM, 36 Mbps, 90pc duty cycle)	
10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 1 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 1 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 1 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 1 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 1 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 1 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 1	± 9.6 %			IFEE 802 11a/h W/Fi 5 CHz (OFDM, 40 Mbps, 9900 duty CyCle)	
10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.36 ± 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.42 ± 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.21 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ±	± 9.6 %			IEEE 802 11a/h WIELS CH7 (OEDM 54 Mbrs 00 - duty cycle)	
10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ±	± 9.6 %			IEEE 002.11a/II WIFI 5 GHZ (OFDIN, 54 WDps, 99pc duty cycle)	
10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ±	± 9.6 %				
10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ±	± 9.6 %				
10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ±	± 9.6 %			IEEE 802.11ac WIH (20MHz, MCS2, 99pc duty cycle)	
	± 9.6 %	8.36		IEEE 802.11ac WIFI (20MHz, MCS3, 99pc duty cycle)	
10531 LAAB J IEEE 802 11ac WIEL/20MHz MCSS 00pp duby guide)	± 9.6 %			IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	
(1000) (100) (± 9.6 %	8.43	WLAN	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	
	± 9.6 %	8.29		IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	
	± 9.6 %			IEEE 802.11ac WIFI (20MHz, MCS8, 99pc duty cycle)	
10534 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle) WLAN 8.45 ±	± 9.6 %	8.45	WLAN	I IEEE 802.11ac WIFI (40MHz, MCS0, 99pc duty cycle)	10534 AA

	<u> </u>			<u> </u>	
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 10538	AAB	IEEE 802.11ac WIFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6%
10536	AAB AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.54	±9.6 % ±9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN WLAN	8.39	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 990c duty cycle)	WLAN	8.65	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6 %
10543	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.47	$\pm 9.6\%$
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 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)			
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 %
40570					1000
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
40574				4.00	100%
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		IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN		± 9.6 % ± 9.6 %
10574 10575		IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mops, 90pc duty cycle)	WLAN WLAN	<u> </u>	$\pm 9.6\%$
10575		cycle)	VVLAN	0.09	± 9.0 %
10576		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
10070	1000	cycle)		0.00	- 5.0 %
10577	AAA	IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
10011		cycle)	******	0.70	20.070
10578		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
	''''	cycle)			0.0 ,0
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, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %

April 24, 2019

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, 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	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	$\pm 9.6\%$
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	$\pm 9.6\%$
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	$\pm 9.6\%$
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	$\pm 9.6\%$ $\pm 9.6\%$
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	$\pm 9.6\%$ $\pm 9.6\%$
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	$\pm 9.6\%$
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN		±9.6%
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	$\pm 9.6\%$
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)		8.98	±9.6%
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN WLAN	9.06	±9.6%
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)		9.06	±9.6%
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9,6%
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6%
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	WLAN	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)	LTE-TDD	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, 3 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6%
10654	AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6 %
	1 1 1 1		LTE-TDD	6.96	±9.6 %

<u></u>					
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6 %
10671	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)	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	±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	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 %

10729 AAA IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle) WLAN 8.64 : 10730 AAA IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle) WLAN 8.67 : 10731 AAA IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) WLAN 8.67 :	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10730 AAA IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle) WLAN 8.67 : 10731 AAA IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) WLAN 8.42 :	± 9.6 % ± 9.6 % ± 9.6 %
10731 AAA IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) WLAN 8.42 :	± 9.6 % ± 9.6 %
	± 9.6 %
10732 AAA JEEE 802 11 av (80 MHz MCS1 99 nc duty cycle) M/I AN 8 46	
10002 + 2000 + 100000 + 100000 + 100000 + 100000 + 100000 + 100000 + 100000 + 100000 + 1000000 + 100000 + 1000000 + 100000000	±9.6 %
10733 AAA IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle) WLAN 8.40	
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 % 🗍
	± 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 %
	± 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 %
	± 9.6 %
	± 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 %
	± 9.6 %
	± 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.