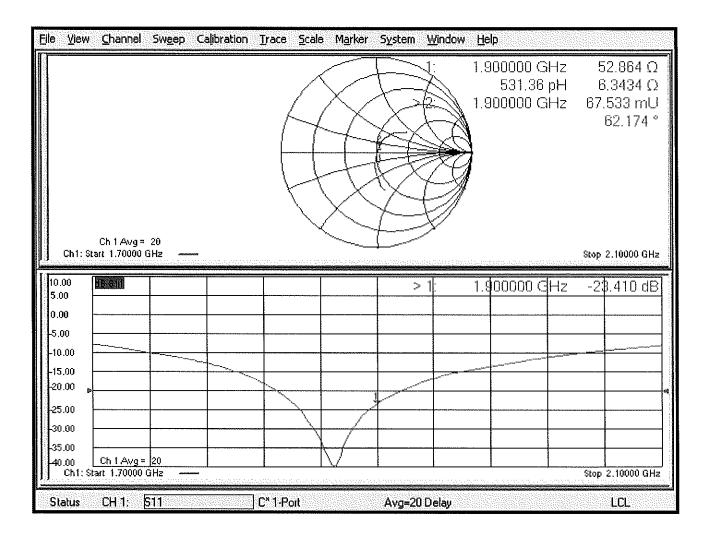
Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 23.10.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d149

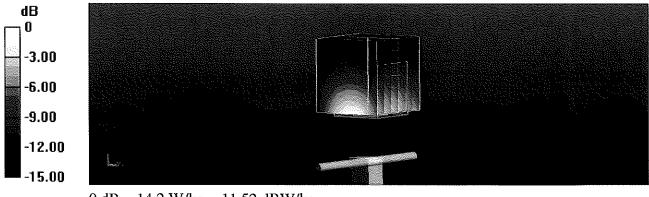
Communication System: UID 0 - CW; Frequency: 1900 MHz Medium parameters used: f = 1900 MHz; σ = 1.47 S/m; ϵ_r = 52.9; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(8.15, 8.15, 8.15) @ 1900 MHz; Calibrated: 30.12.2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 04.10.2018
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 103.1 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 17.5 W/kg SAR(1 g) = 9.68 W/kg; SAR(10 g) = 5.11 W/kg Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.2 W/kg = 11.52 dBW/kg

Impedance Measurement Plot for Body TSL

<u>File V</u> iew	<u>Channel Swe</u> ep (Calibration <u>T</u> race <u>S</u> cale M	arker System <u>W</u> indow <u>H</u> elp	
	Ch 1 Avg = 20		1: 1.90000 684. 1.900000	48 pH - 8.1713 Ω
Ch1: S	itart 1.70000 GHz			Stop 2.10000 GHz
10.00 5.00 -5.00 -10.00 -15.00 -20.00 -25.00 -30.00 -35.00 -40.00 Ch1: S	Ch 1 Avg = 20 tart 1.70000 GHz			CGHz -21.519 dB
Status	CH 1: 511	C* 1-Port	Avg=20 Delay	LCL



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

D1900V2 - SN:5d149

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

Extended Calibration date: October 18, 2019

Description: SAR Validation Dipole at 1900 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Control Company	4040	Therm./Clock/Humidity Monitor	6/29/2019	Biennial	6/29/2021	192291470
Control Company	4352	Ultra Long Stem Thermometer	8/2/2018	Biennial	8/2/2020	181334684
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	433971
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	7/2/2019	Annual	7/2/2020	MY53401181
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	10/11/2019	Annual	10/11/2020	101307
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
SPEAG	DAKS-3.5	Portable Dielectric Assessment Kit	8/13/2019	Annual	8/13/2020	1041
Anritsu	MA2411B	Pulse Power Sensor	8/14/2019	Annual	8/14/2020	1315051
Anritsu	MA2411B	Pulse Power Sensor	8/8/2019	Annual	8/8/2020	1339008
Anritsu	ML2495A	Power Meter	11/20/2018	Annual	11/20/2019	1039008
Agilent	N5182A	MXG Vector Signal Generator	8/19/2019	Annual	8/19/2020	MY47420837
Seekonk	NC-100	Torque Wrench	5/9/2018	Biennial	5/9/2020	22217
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
MiniCircuits	ZHDC-16-63-S+	Bidirectional Coupler	CBT	N/A	CBT	N/A
MiniCircuits	VLF-6000+	Low Pass Filter	CBT	N/A	CBT	N/A
SPEAG	EX3DV4	SAR Probe	2/19/2019	Annual	2/19/2020	3914
SPEAG	EX3DV4	SAR Probe	5/16/2019	Annual	5/16/2020	7406
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/8/2019	Annual	5/8/2020	859
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/14/2019	Annual	2/14/2020	1272

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	XOK

Object:	Date Issued:	Dogo 1 of 4
D1900V2 – SN: 5d149	10/18/2019	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:

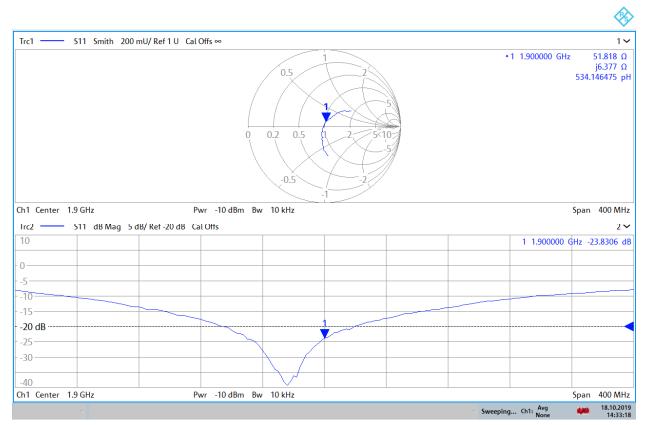
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance 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	(96)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	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
10/23/2018	10/18/2019	1.193	3.93	4.24	7.89%	2.05	2.18	6.34%	52.9	51.8	1.1	6.3	6.4	0.1	-23.4	-23.8	-1.80%	Pass
		Certificate	Certificate	Measured		Certificate	Measured		Certificate	Measured		Certificate	Measured					
Calibration Date	Extension Date	Electrical Delay (ns)	SAR Target Body (1g) W/kg @ 20.0 dBm	Body SAR (1g)	(0/)	SAR Target Body (10g) W/kg @ 20.0 dBm		Deviation 10g (%)		Impedance Body (Ohm) Real	Difference (Ohm) Real	Impedance	Impedance Body (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL

Object:	Date Issued:	Page 2 of 4
D1900V2 – SN: 5d149	10/18/2019	raye 2 014

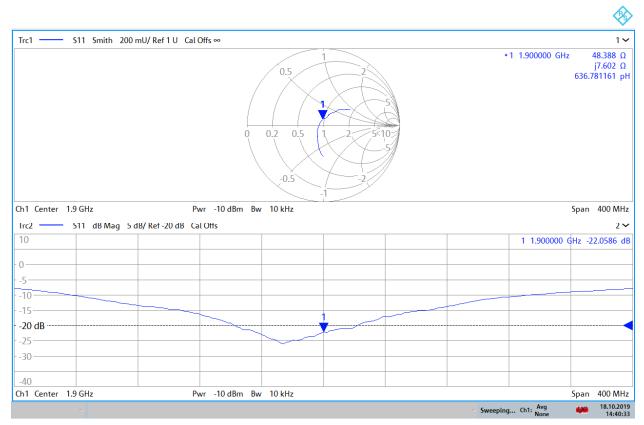
Impedance & Return-Loss Measurement Plot for Head TSL



14:33:19 18.10.2019

Object:	Date Issued:	Page 3 of 4
D1900V2 – SN: 5d149	10/18/2019	Fage 5 01 4

Impedance & Return-Loss Measurement Plot for Body TSL



14:40:34 18.10.2019

Object:	Date Issued:	Dage 4 of 4
D1900V2 – SN: 5d149	10/18/2019	Page 4 of 4

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

PC Test

Client





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- 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: D2450V2-719_Aug19

CALIBRATION CERTIFICATE

Object	D2450V2 - SN:7	19	
Calibration procedure(s)	QA CAL-05.v11 Calibration Proce	dure for SAR Validation Sources b	etween 0.7-3 GHz
Calibration date:	August 14, 2019		BNW 68 20 20 9
		onal standards, which realize the physical units or robability are given on the following pages and a	
All calibrations have been conducte	ed in the closed laborato	ry facility: environment temperature (22 \pm 3)°C a	nd humidity < 70%.
Calibration Equipment used (M&TE	E 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: 5058 (20k)	04-Apr-19 (No. 217-02894)	Apr-20
Type-N mismatch combination	SN: 5047,2 / 06327	04-Apr-19 (No. 217-02895)	Apr-20
Reference Probe EX3DV4	SN: 7349	29-May-19 (No. EX3-7349_May19)	May-20
DAE4	SN: 601	30-Apr-19 (No. DAE4-601_Apr19)	Apr-20
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Feb-19)	In house check: Oct-20
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-18)	In house check: Oct-20
Power sensor HP 8481A	SN: MY41092317	07-Oct-15 (in house check Oct-18)	In house check: Oct-20
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-18)	In house check: Oct-20
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19
Calibrated by:	Name Claudio Leubler	Function Laboratory Technician	Signature
Approved by:	Katja Pokovic	Technical Manager	tills
This calibration certificate shall not	be reproduced except in	full without written approval of the laboratory.	Issued: August 15, 2019

Calibration Laboratory of

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





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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%.

Accreditation No.: SCS 0108

Measurement Conditions

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

DASY Version	DASY5	V52.10.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 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	37.8 ± 6 %	1.83 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	13.5 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	53.1 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 measured	250 mW input power	6.25 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.7 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	50.8 ± 6 %	2.01 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	50.8 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.09 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	24.0 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	54.6 Ω + 5.6 jΩ
Return Loss	- 23.2 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	51.0 Ω + 8.4 jΩ
Return Loss	- 21.6 dB

General Antenna Parameters and Design

Electrical Delay (one direction) 1.150 ns	

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

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

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

Additional EUT Data

Manufactured by	SPEAG

DASY5 Validation Report for Head TSL

Date: 14.08.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:719

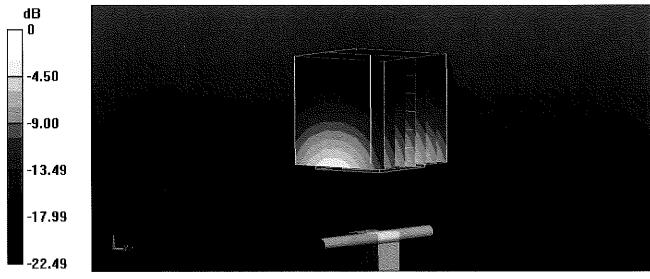
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 1.83 S/m; ϵ_r = 37.8; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.9, 7.9, 7.9) @ 2450 MHz; Calibrated: 29.05.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

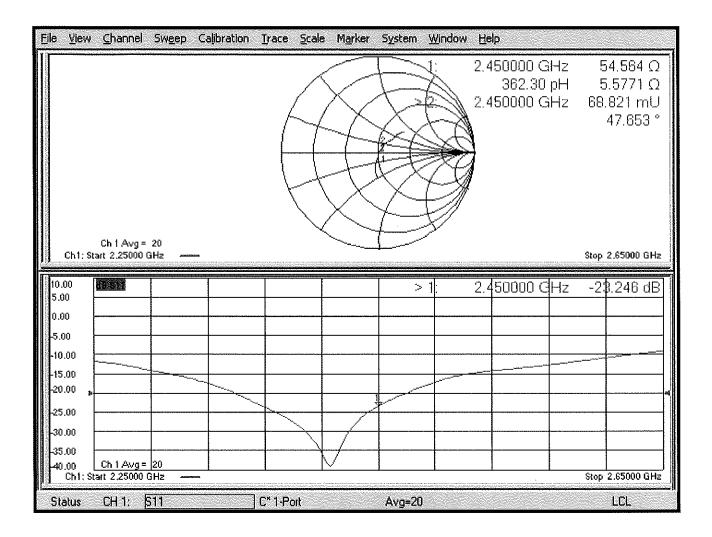
Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 117.1 V/m; Power Drift = 0.07 dB Peak SAR (extrapolated) = 26.6 W/kg SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.25 W/kg Maximum value of SAR (measured) = 21.8 W/kg



0 dB = 21.8 W/kg = 13.38 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 14.08.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:719

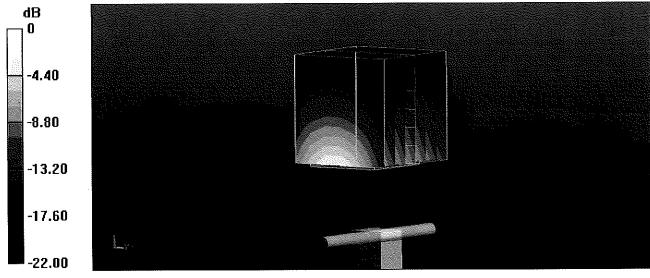
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 2.01 S/m; ϵ_r = 50.8; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.94, 7.94, 7.94) @ 2450 MHz; Calibrated: 29.05.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 105.2 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 25.6 W/kg **SAR(1 g) = 13 W/kg; SAR(10 g) = 6.09 W/kg** Maximum value of SAR (measured) = 20.0 W/kg



0 dB = 20.0 W/kg = 13.01 dBW/kg

Impedance Measurement Plot for Body TSL

<u>File V</u> iew	<u>C</u> hannel Sv	v <u>e</u> ep Calibratio	n <u>T</u> race <u>S</u> cale	Marker S <u>y</u> s	tem <u>W</u> indo	ow <u>H</u> elp			
Ch1: 3t2	Ch 1 Avg = 20 art 2.25000 GHz		A				0000 GHz 546.95 pH 0000 GHz	8 83. ;	1.000 Ω .4196 Ω 658 mU 78.464 °
	olouhe/weight databelere tagegottere ja	***************************************							
10.00					> 1;	2.45	60000 GHz	-2	.550 dB
10.00 5.00 0.00					> 1;	2.45	60000 GHz	-2	.550 dB
5.00 - 0.00 - -5.00 -					> 1;	2.45	0000 GHz	-2	.550 dB
5.00 - Q,00 -					> 1:	2.45	0000 GHz	-2	.550 dB
5.00 - 0.00 - -5.00 - -18.00 - -15.00 -					> 1:	2.45	0000 GHz	-2	.550 dB
5.00 - 0.00 - -5.00 - -10.00 - -15.00 -					> 1:	2.45	0000 GHz	-2	.550 dB
5.00 0.00 -5.00 -10.00 -15.00 -20.00 -25.00 -30.00 -35.00					> 1:	2.45	0000 GHz	-2	.550 dB
5.00 0.00 -5.00 -10.00 -15.00 -20.00 -25.00 -30.00 -35.00	Ch 1 Avg = 20 rart 2.25000 GHz				> 1:	2.45	0000 GHz		.550 dB

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





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Accreditation No.: SCS 0108

PC Test Client Certificate No: D2450V2-797_Sep17 . . **CALIBRATION CERTIFICATE**

.

Object	D2450V2 - SN:7	97	
Callbration procedure(s)	QA CAL-05.v9 Calibration proce	edure for dipole validation kits ab	10 05 150 01
Callbration date:	September 11, 2	017	Extended PMV J/20/2018
The measurements and the unce	rtainties with confidence p	ional standards, which realize the physical u probability are given on the following pages a ny facility: environment temperature (22 \pm 3)	nits of measurements (SI). BN^{4} are part of the certificate. $00 1_{0} 2_{0} 2019$
Calibration Equipment used (M&T	E critical for calibration)		
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meier NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02522)	Apr-18 a Apr-18
Reference 20 dB Attenuator	SN: 505B (20k)	07-Apr-17 (No. 217-02528)	Apr-18
Type-N mismatch combination	SN: 5047.2 / 06327	07-Apr-17 (No. 217-02529)	Apr-18
Reference Probe EX3DV4	SN: 7349	31-May-17 (No. EX3-7349_May17)	May-18
DAE4	SN: 601	28-Mar-17 (No. DAE4-601_Mar17)	Mar-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 HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-16)	In house check: Oct-17
	Name .	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	Miller
Approved by:	Katja Pokovic	Technical Manager	Cliff
			Issued: September 11, 2017

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

Calibration Laboratory of

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





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- 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 ٠ 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	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	37.8 ± 6 %	1.86 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

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SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.5 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	52.7 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.28 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.8 W/kg ± 16.5 % (k=2)

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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	51.9 ± 6 %	2.04 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	13.1 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	51.1 W/kg ± 17.0 % (k≃2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.14 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	53.8 Ω + 7.4 jΩ		
Return Loss	~ 21.9 dB		

Antenna Parameters with Body TSL

Impedance, transformed to feed point	49.7 Ω + 9.1 jΩ
Return Loss	- 20.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.152 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	January 24, 2006

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)

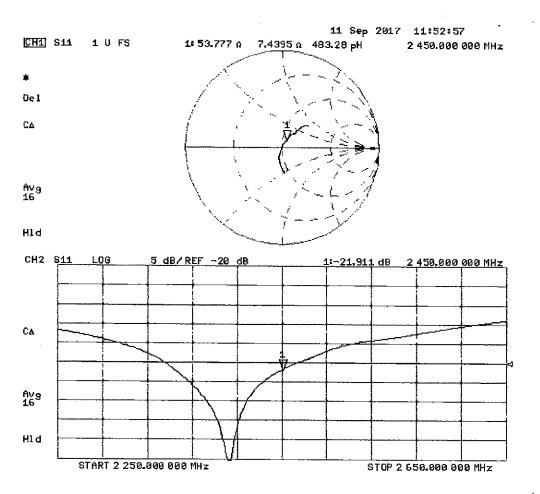
Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

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



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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)

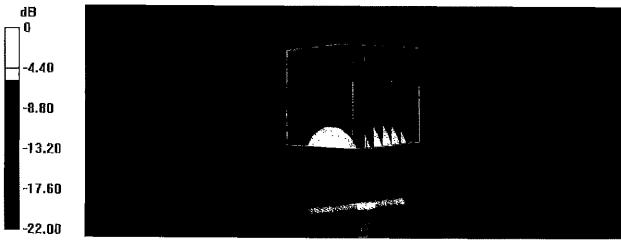
DASY52 Configuration:

- 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:

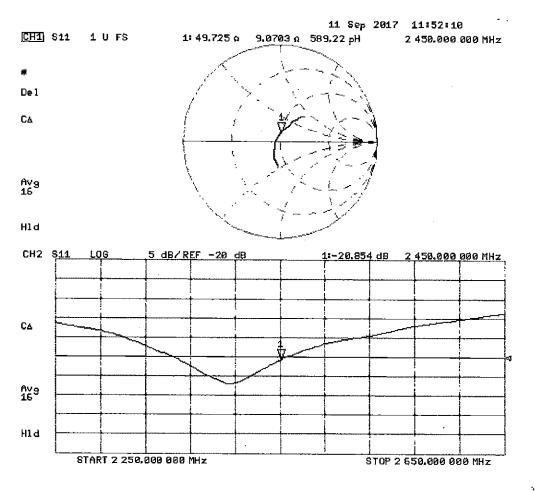
Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 105.4 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 25.6 W/kg SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.14 W/kg

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



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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

D2450V2 - SN: 797

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

Extended Calibration date: September 11, 2018

Description:

SAR Validation Dipole at 2450 MHz.

Calibration Equipment used:

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Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Control Company	4040	Therm./Clock/Humidity Monitor	3/31/2017	Blennial	3/31/2019	170232394
Control Company	4352	Ultra Long Stem Thermometer	5/2/2017	8iennial	5/2/2019	170330156
Amplifier Research	15\$1G6	Amplifier	CBT	N/A	CBT	433971
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Keysight	772D	Dual Directional Coupler	CBT	N/A	CBT	MY52180215
Keysight Technologies	85033E	Standard Mechanical Callbration Kit (DC to 9GHz, 3.5mm)	6/4/2018	Annual	6/4/2019	MY53401181
Agilent	8753ES	S-Parameter Vector Network Analyzer	8/30/2018	Annuai	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	Annual	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	Annual	3/2/2019	1207364
Anritsu	MA2411B	Puise Power Sensor	3/2/2018	Annual	3/2/2019	1339018
Anritsu	ML2495A	Power Meter	10/22/2017	Annuəl	10/22/2018	1328004
Agllent	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	Свт	N/A
Narda	4014C-6	4 - 8 GHz SMA 6 dB Directional Coupler	CBT	N/A	CBT	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	320K

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

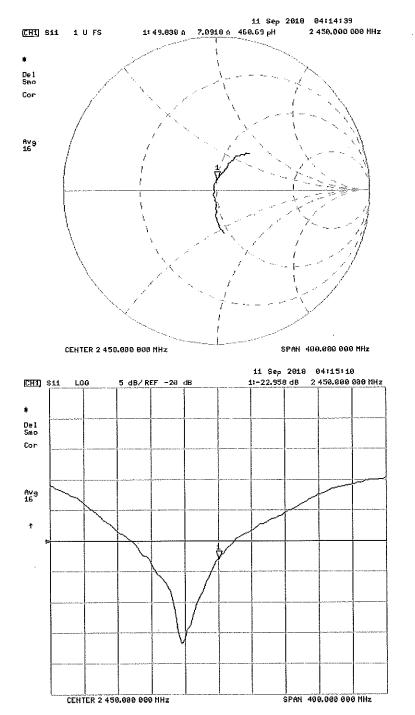
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance 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	Lioourodi	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	W/kg @ 20.0	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Head SAR	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

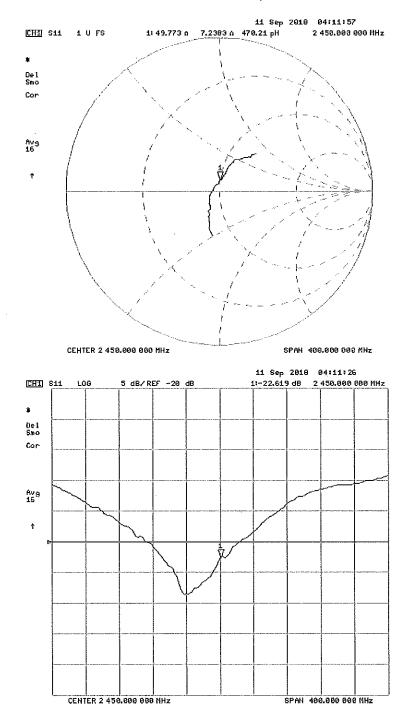
Calibration Date	Extension Date	Electrical	Certificate SAR Target Body (1g) W/kg @ 20.0 dBm	M///m @ 20.0	(%)	Certificate SAR Target Body (10g) W/kg @ 20.0 dBm	(10a) W/ka @	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real		Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary	Measured Impedance Body (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
9/11/2017	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	



Impedance & Return-Loss Measurement Plot for Body TSL

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



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Certification of Calibration

Object

D2450V2 - SN: 797

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

September 9, 2019

Extended Calibration date:

Description:

SAR Validation Dipole at 2450 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	8753ES	S-Parameter Network Analyzer	10/2/2018	Annual	10/2/2019	US39170118
Agilent	N5182A	MXG Vector Signal Generator	Annual	6/27/2020	US46240505	
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Anritsu	ML2495A	Power Meter	10/21/2018	Annual	10/21/2019	941001
Anritsu	MA2411B	Pulse Power Sensor	10/30/2019	1207470		
Anritsu	MA2411B	Pulse Power Sensor	11/20/2018	Annual	11/20/2019	1339007
Control Company	4040	Temperature / Humidity Monitor	2/28/2018	Biennial	2/28/2020	150761911
Control Company	4352	Ultra Long Stem Thermometer	2/28/2018	Biennial	2/28/2020	170330160
Keysight	772D	Dual Directional Coupler	CBT	N/A	CBT	MY52180215
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	7/2/2019	Annual	7/2/2020	MY53401181
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Pasternack	PE2209-10	Bidirectional Coupler	CBT	N/A	CBT	N/A
Pasternack	NC-100	Torque Wrench	5/23/2018	Biennial	5/23/2020	N/A
SPEAG	EX3DV4	SAR Probe	2/19/2019	Annual	2/19/2020	7417
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/13/2019	Annual	2/13/2020	665
SPEAG	EX3DV4	SAR Probe	7/15/2019	Annual	7/15/2020	7547
SPEAG	DAE4	Dasy Data Acquisition Electronics	7/11/2019	Annual	7/11/2020	1323
SPEAG	DAK-3.5	Dielectric Assessment Kit	9/11/2018	Annual	9/11/2019	1091

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	XOK

Object:	Date Issued:	Dogo 1 of 4
D2450V2 – SN: 797	09/9/2019	Page 1 of 4

DIPOLE CALIBRATION EXTENSION

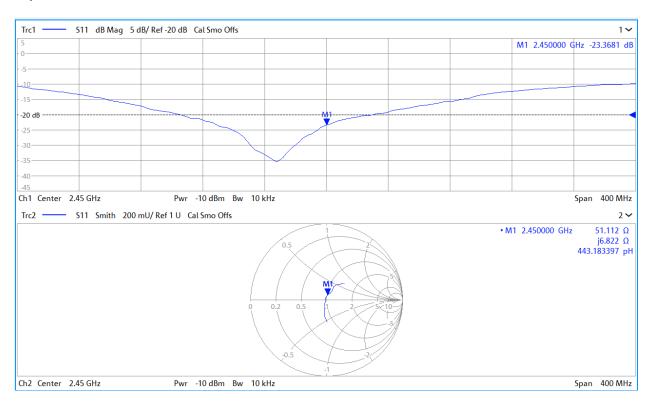
Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

- 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 3-year calibration period from the calibration date:

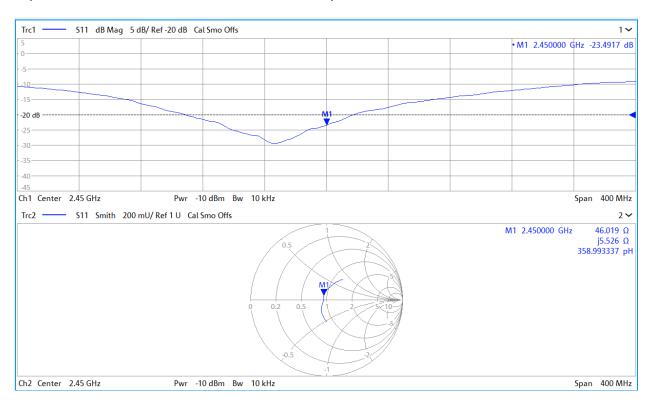
Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	(96)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary	Measured Impedance Head (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
9/11/2017	9/9/2019	1.152	5.27	5.19	-1.52%	2.48	2.41	-2.82%	53.8	51.1	2.7	7.4	6.8	0.6	-21.9	-23.4	-6.70%	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	Measured Body SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real	Measured Impedance Body (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary	Measured Impedance Body (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
9/11/2017	9/9/2019	1.152	5.11	5.17	1.17%	2.42	2.38	-1.65%	49.7	46	3.7	9.1	5.5	3.6	-20.9	-23.5	-12.40%	PASS

Object:	Date Issued:	Dogo 2 of 4
D2450V2 – SN: 797	09/9/2019	Page 2 of 4



Impedance & Return-Loss Measurement Plot for Head TSL

Object:	Date Issued:	Dogo 2 of 4
D2450V2 – SN: 797	09/9/2019	Page 3 of 4



Impedance & Return-Loss Measurement Plot for Body TSL

Object:	Date Issued:	Dege 4 of 4
D2450V2 – SN: 797	09/9/2019	Page 4 of 4

Calibration Laboratory of

PC Test

Client

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



Schweizerischer Kalibrierdienst

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Accreditation No.: SCS 0108

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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: D2600V2-1064_Jun19

CALIBRATION CERTIFICATE

Object	D2600V2 - SN:10)E/	
	D200072-011.11		
			BNV 07/81/2019
Calibration procedure(s)	QA CAL-05.v11		17/81/2014
		dure for SAR Validation Source	
	Culibration 11000	Care for CAIT validation bedice.	S Detween 0.7-0 On Z
	1		
Calibration date:	June 14, 2019		
		onal standards, which realize the physical u	
The measurements and the uncerta	ainties with confidence p	robability are given on the following pages a	nd are part of the certificate.
All calibrations have been conducte	ed in the closed laborator	ry 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	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: 5058 (20k)	04-Apr-19 (No. 217-02894)	Apr-20
Type-N mismatch combination	SN: 5047.2 / 06327	04-Apr-19 (No. 217-02895)	Apr-20
Reference Probe EX3DV4	SN: 7349	29-May-19 (No. EX3-7349_May19)	May-20
DAE4	SN: 601	30-Apr-19 (No. DAE4-601_Apr19)	Apr-20
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Feb-19)	In house check: Oct-20
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-18)	In house check: Oct-20
Power sensor HP 8481A	SN: MY41092317	07-Oct-15 (in house check Oct-18)	In house check: Oct-20
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-18)	In house check: Oct-20
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19
	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	1111 -
			MINE
			Milling The second seco
Approved by:	Katja Pokovic	Technical Manager	21/11
		.	tell-
	an a		
			Issued: June 20, 2019
This calibration cortificate shall not	he reproduced event in	full without written approval of the laborator	,
The calloration certificate shall for	se reproduced except in	nui minoui writteri appioval ol tre laborator	y.

Calibration Laboratory of

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

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

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	V52.10.2
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	37.3 ± 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	14.9 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	58.1 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.59 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	26.0 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	50.5 ± 6 %	2.22 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	14.2 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	55.6 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.33 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	25.0 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	49.8 Ω - 6.9 jΩ
Return Loss	- 23.2 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	46.6 Ω - 4.4 jΩ
Return Loss	- 24.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.151 ns

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

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

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

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 14.06.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1064

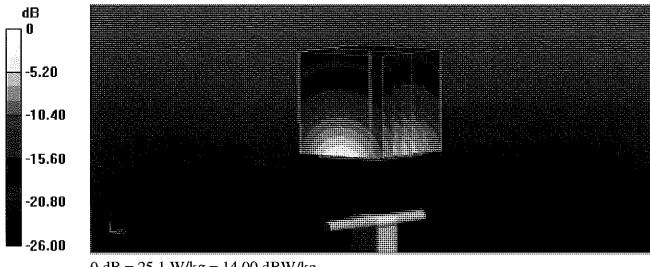
Communication System: UID 0 - CW; Frequency: 2600 MHz Medium parameters used: f = 2600 MHz; σ = 2.03 S/m; ϵ_r = 37.3; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.69, 7.69, 7.69) @ 2600 MHz; Calibrated: 29.05.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 120.9 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 30.2 W/kg **SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.59 W/kg** Maximum value of SAR (measured) = 25.1 W/kg



Impedance Measurement Plot for Head TSL

File View	<u>C</u> hannel Sw <u>e</u> ep	o Ca <u>l</u> ibration <u>T</u>	race <u>S</u> cale I	M <u>a</u> rker S <u>y</u> stem	<u>W</u> indow <u>H</u> elp		
			X		A)0000 GHz 8.8630 pF)0000 GHz	49.847 Ω -6.9066 Ω 69.025 mU -87.316 °
Chi:S	Ch 1 Avg = 20 Start 2.40000 GHz						Stop 2.80000 GHz
10.00 5.00 -5.00 -10.00 -15.00 -20.00 -25.00 -35.00 -35.00 -40.00 -Ch1: S	Ch 1 Avg = 20 Start 2,40000 GHz =						-23.220 dB
Status	CH 1: 511	C	1-Port	Avg=20 [)elay		LCL

DASY5 Validation Report for Body TSL

Date: 14.06.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1064

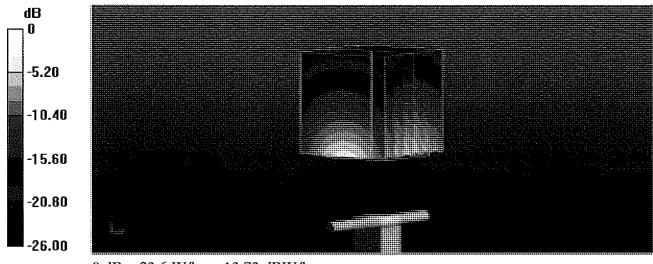
Communication System: UID 0 - CW; Frequency: 2600 MHz Medium parameters used: f = 2600 MHz; $\sigma = 2.22$ S/m; $\varepsilon_r = 50.5$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.8, 7.8, 7.8) @ 2600 MHz; Calibrated: 29.05.2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.04.2019
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 110.6 V/m; Power Drift = -0.05 dB Peak SAR (extrapolated) = 28.9 W/kg SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.33 W/kg Maximum value of SAR (measured) = 23.6 W/kg



0 dB = 23.6 W/kg = 13.73 dBW/kg

Impedance Measurement Plot for Body TSL

File	View	<u>C</u> hannel	Sw <u>e</u> ep	Calibration	<u>T</u> race <u>S</u> cal	e M <u>a</u> rker	S <u>v</u> stem <u>W</u> ir	ndow <u>H</u>	elp		
		Ch 1 Avg =	20						600000 GHz 14.009 pF 600000 GHz	-4.3 56.9	645 Ω 1696 Ω 44 mU 24.93 °
	Ch1: St	art 2.40000								Stop 2.8	80000 GHz
10. 5.0		ALE AND					> 1;	2.	\$00000 dHz	-74 (391 dB
-30 -35 -40	00 00. 00. 00. 00. 00.	<u>Ch 1 Avg =</u> art 2.40000	20 3Hz —								

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





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Schweizerischer Kalibrierdienst

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- Swiss Calibration Service

Accreditation No.: SCS 0108

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

Client **PC Test**

Certificate No: EX3-3589_Jan20/2

CALIBRATION CERTIFICATE (Replacement of No: EX3-3589_Jan20)

Object	EX3DV4 - SN:3589	
Calibration procedure(s)	QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes BNV NH[30]205	20
Calibration date:	January 21, 2020	
	ents the traceability to national standards, which realize the physical units of measurements (SI). artainties 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	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec19)	Dec-20
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-19)	In house check: Oct-20

	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	Colle
			Seef Mgr
Approved by:	Katja Pokovic	Technical Manager	1/11-
			aces
			Issued: March 31, 2020
This calibration certificate	e shall not be reproduced except in fu	Il without written approval of the labo	

Calibration Laboratory of

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





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Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
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

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 $\vartheta = 0$ (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	101.5	97.7	97.9	

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	138.1	± 3.5 %	± 4.7 %
		Y	0.00	0.00	1.00		148.9		
		Z	0.00	0.00	1.00		137.1		
10352-	Pulse Waveform (200Hz, 10%)	X	20.00	93.40	23.88	10,00	60.0	± 1.9 %	±9.6 %
AAA		Y	20.00	90.04	21.55		60.0		
		Z	20.00	93.40	23.50	1	60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	20.00	93.53	22.66	6.99	80.0	± 1.0 %	± 9.6 %
AAA		Y	20.00	90.11	20.16		80.0		
		Z	20.00	93,36	22.20		80.0		
10354-	Pulse Waveform (200Hz, 40%)	Х	20.00	95.38	22.01	3.98	95.0	± 1.0 %	± 9.6 %
AAA		Y	20.00	88.87	17.82		95.0		
		Z	20.00	94.79	21.35		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	20.00	102.43	23.98	2.22	120.0	± 1.1 %	± 9.6 %
AAA		Y	20.00	86.64	15.26		120.0	1	
		Z	20.00	97.99	21.51		120.0	1	
10387-	QPSK Waveform, 1 MHz	X	0.93	64.33	11.56	0.00	150.0	± 3.3 %	± 9.6 %
AAA		Y	0.54	60.00	7.11		150.0	1	
		Z	0.68	61.48	9.17		150.0	1	
10388-	QPSK Waveform, 10 MHz	X	2.38	69.01	16.27	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Y	2.02	66.96	14.92		150.0	Ì	
		Z	2.15	67.54	15.53		150.0	1	
10396-	64-QAM Waveform, 100 kHz	X	3.79	73.46	20.06	3.01	150.0	± 0.6 %	± 9.6 %
AAA		Y	3.12	69.91	18.24		150.0		
		Z	4.11	75.05	20.59		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.59	67.56	16.03	0.00	150.0	± 2.5 %	± 9.6 %
AAA		Y	3.37	66.67	15.43		150.0]	1
		Z	3.46	66.93	15.67		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.95	65.82	15.63	0.00	150.0	± 4.6 %	± 9.6 %
AAA		Y	4.77	65.46	15.41		150.0]	
		Z	4.80	65.52	15.45	1	150.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6). ^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
X	52.5	386.65	34.73	26.61	1.15	5.10	1.30	0.45	1.01
Y	44.4	339.10	36.93	20.74	1.47	5.06	0.00	0.71	1.01
Z	44.1	325.90	34.85	22.88	1.09	5.07	1.71	0.36	1.01

Sensor Model Parameters

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-32.6
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
	t

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	8.70	8.70	8.70	0.38	1.00	± 12.0 %
835	41.5	0.90	8.58	8.58	8.58	0.47	0.80	± 12.0 %
1750	40.1	1.37	7.55	7.55	7.55	0.52	0.87	± 12.0 %
1900	40.0	1.40	7.25	7.25	7.25	0.43	0.87	± 12.0 %
2300	39.5	1.67	7.11	7.11	7.11	0.45	0.86	± 12.0 %
2450	39.2	1.80	6.85	6.85	6.85	0.47	0.85	± 12.0 %
2600	39.0	1.96	6.60	6.60	6.60	0.41	0.86	± 12.0 %

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 ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

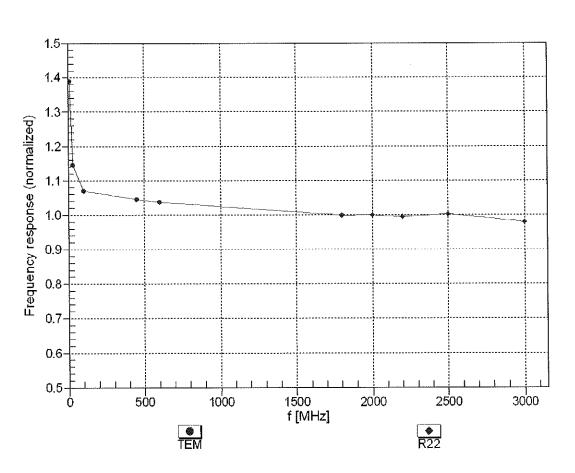
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	8.49	8.49	8.49	0.49	0.81	± 12.0 %
835	55.2	0.97	8.27	8.27	8.27	0.29	1.03	± 12.0 %
1750	53.4	1.49	6.93	6.93	6.93	0.41	0.87	± 12.0 %
1900	53.3	1.52	6.72	6.72	6.72	0.35	0.87	± 12.0 %
2300	52.9	1.81	6.62	6.62	6.62	0.34	0.86	± 12.0 %
2450	52.7	1.95	6.60	6.60	6.60	0.40	0.86	± 12.0 %
2600	52.5	2.16	6.35	6.35	6.35	0.37	0.90	± 12.0 %

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

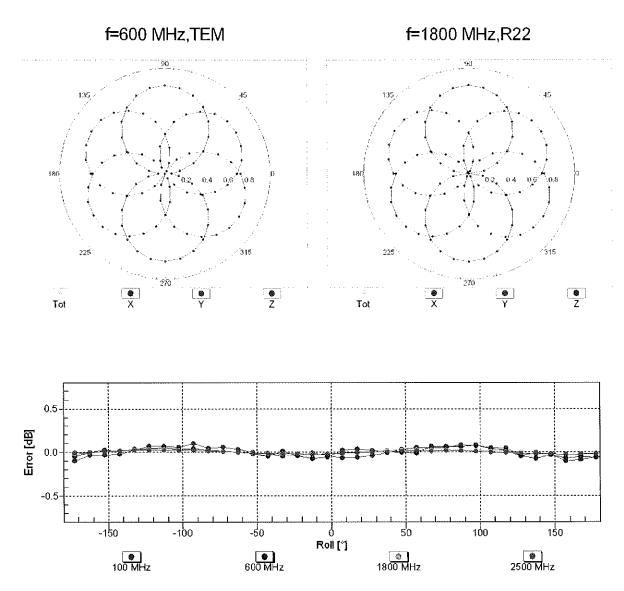
^F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF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



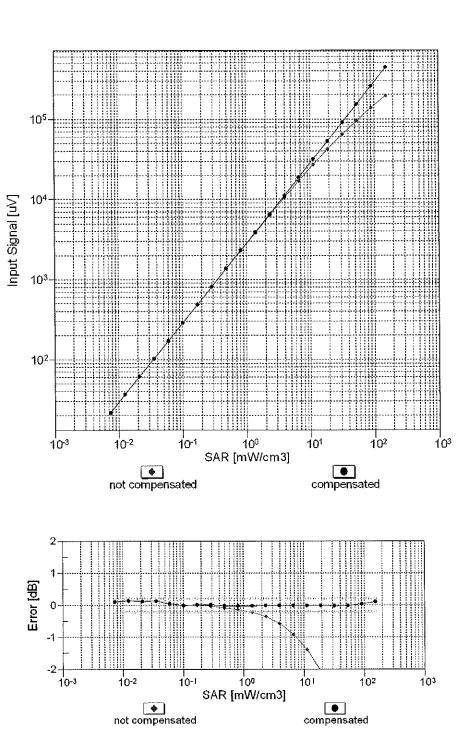
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



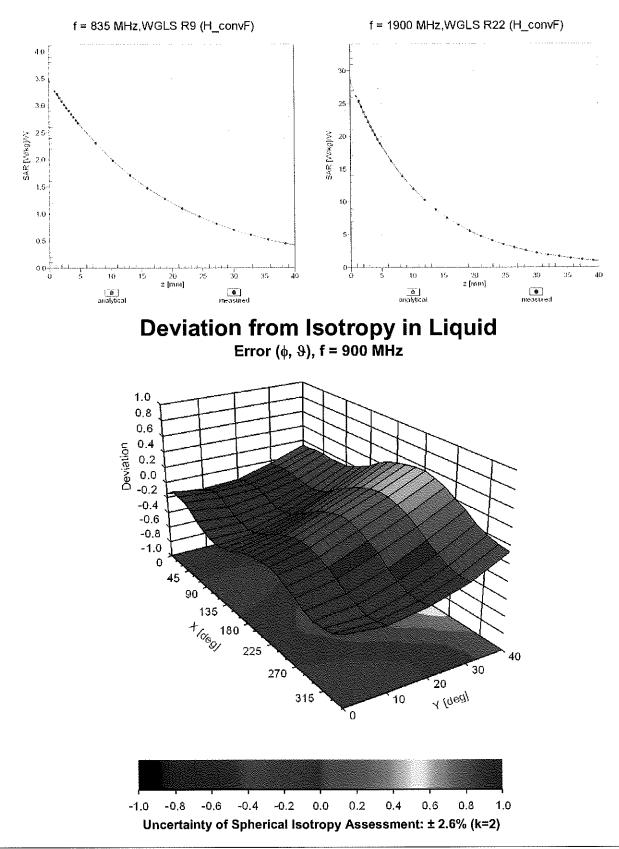
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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	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 GSM	9.57	$\pm 9.6\%$
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56 12.62	±9.6 % ±9.6 %
10025 10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0) EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10026	DAC DAC	GPRS-FDD (TDMA, GPSK, TN 0-1)	GSM	4.80	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	$\pm 9.6\%$
10020	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10020	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802,15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6%
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6%
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6%
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6%
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	$\pm 9.6\%$
10102		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	$\pm 9.6\%$
10104		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	$\pm 9.6\%$
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD LTE-FDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)		5.80	± 9.6 %

10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6%
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10150		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	$\pm 9.6\%$
			LTE-TDD	10.05	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	5.75	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	6.43	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)			
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6%
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6%
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	<u>± 9.6 %</u>
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6,50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±96%
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5,73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187		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, 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 %
10189	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
	_	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 10-QAM)	WLAN	8.21	$\pm 9.6\%$
10195	CAC		WLAN	8,10	$\pm 9.6\%$
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN		
10197		IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)		8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)		8.03	± 9.6 %

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10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.06	± 9.6 % ± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.48	$\pm 9.6\%$
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10224 10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10225	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10220	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10220	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9,48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9,91	±9.6%
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6%
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6%
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6%
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6%
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6%
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6%
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6%
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6%
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	$\pm 9.6\%$
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6%
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD LTE-TDD	9.30	$\pm 9.6\%$
10268		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6 % ±9.6 %
10269	CAF CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	$\pm 9.6\%$ $\pm 9.6\%$
10270	CAP	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	$\pm 9.6\%$
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	3.96	$\pm 9.6\%$
10275		PHS (QPSK)	PHS	11.81	± 9.6 %
10277		PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10278		PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10279	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10290	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10291	AAB	CDMA2000, RC3, SO33, 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 %
		LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10298	AAD			1 0.72	1 1 0.0 %

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10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	±9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WIMAX	12.57	<u>±9.6 %</u>
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	15.24	±9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WIMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WIMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	IDEN	10.51	±9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8,36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6%
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	±9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6%
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8,19	± 9.6 %
10422	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 %
10420	AAB	IEEE 802.11n (HT Greenfield, 30 Mbps, 10-GAM)	WLAN	8.41	± 9.6 %
10427	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	$\pm 9.6\%$
10430	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 13 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	$\pm 9.6\%$
10434	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10435	AAP	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	$\pm 9.6\%$
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.51	$\pm 9.6\%$
	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	$\pm 9.6\%$
1 10/60			WCDMA	7.59	
10450		W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) Validation (Square, 10ms, 1ms)		\$	$\pm 9.6\%$
10451	_	A VARGARGE COULTER THIS HIS	Test	10.00	± 9.6 %
10451 10453	AAD			0 00	1 1000
10451 10453 10456	AAD AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10451 10453 10456 10457	AAD AAB AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10451 10453 10456 10457 10458	AAD AAB AAA AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA CDMA2000	6.62 6.55	± 9.6 % ± 9.6 %
10451 10453 10456 10457 10458 10459	AAD AAB AAA AAA AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	WCDMA CDMA2000 CDMA2000	6.62 6.55 8.25	± 9.6 % ± 9.6 % ± 9.6 %
10451 10453 10456 10457 10458 10459 10460	AAD AAB AAA AAA AAA AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers) UMTS-FDD (WCDMA, AMR)	WCDMA CDMA2000 CDMA2000 WCDMA	6.62 6.55 8.25 2.39	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10451 10453 10456 10457 10458 10459	AAD AAB AAA AAA AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	WCDMA CDMA2000 CDMA2000	6.62 6.55 8.25	± 9.6 % ± 9.6 % ± 9.6 %

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10463 AAB LTE-TDD (SC-FDMA, TRB, 314Mt2, 4F-SAM, UL Sub) LTE-TDD 8.6 ± 9.6 % 10464 AAC LTE-TDD (SC-FDMA, TRB, 31MH2, 4F-SAM, UL Sub) LTE-TDD 8.2 ± 9.6 % 10465 AAC LTE-TDD (SC-FDMA, TRB, 31MH2, 4F-SAM, UL Sub) LTE-TDD 8.2 ± 9.6 % 10467 AAF LTE-TDD (SC-FDMA, TRB, 51MH2, 4F-SAM, UL Sub) LTE-TDD 7.82 ± 9.6 % 10468 AF LTE-TDD (SC-FDMA, TRB, 51MH2, 4F-SAM, UL Sub) LTE-TDD 7.82 ± 9.6 % 10468 AF LTE-TDD (SC-FDMA, TRB, 51MH2, 4F-SAM, UL Sub) LTE-TDD 7.82 ± 9.6 % 10477 AF LTE-TDD (SC-FDMA, TRB, 10 MH2, 4F-SAM, UL Sub) LTE-TDD 7.82 ± 9.6 % 10477 AF LTE-TDD (SC-FDMA, TRB, 10 MH2, 4F-SAM, UL Sub) LTE-TDD 7.82 ± 9.6 % 10477 AF LTE-TDD (SC-FDMA, TRB, 10 MH2, 4F-SAM, UL Sub) LTE-TDD 7.82 ± 9.6 % 10477 AF LTE-TDD (SC-FDMA, TRB, 10 MH2, 4F-SAM, UL Sub) LTE-TDD 7.72 ± 9.6 % 10477 AF LTE-						,,
10465 AAC LITE-TDD (GC-FDMA, 1 RB, 3 MHz, 46-AAM, UL Sub) LTE-TDD 8.57 1.9.6 % 10467 AAF LTTE-TDD (GC-FDMA, 1 RB, 5 MHz, 46-AAM, UL Sub) LTE-TDD 7.82 1.9.6 % 10488 AAF LTTE-TDD (GC-FDMA, 1 RB, 5 MHz, 46-AAM, UL Sub) LTE-TDD 8.32 1.9.6 % 10470 AAF LTE-TDD (GC-FDMA, 1 RB, 5 MHz, 46-AAM, UL Sub) LTE-TDD 8.52 1.9.6 % 10471 AAF LTE-TDD (GC-FDMA, 1 RB, 10 MHz, 16-AAM, UL Sub) LTE-TDD 8.52 1.9.6 % 10473 AAF LTE-TDD (GC-FDMA, 1 RB, 10 MHz, 67-AAM, UL Sub) LTE-TDD 8.52 1.9.6 % 10473 AAE LTE-TDD (GC-FDMA, 1 RB, 15 MHz, 67-AAM, UL Sub) LTE-TDD 8.22 1.9.6 % 10474 AAE LTE-TDD (GC-FDMA, 1 RB, 15 MHz, 67-AAM, UL Sub) LTE-TDD 8.22 1.9.6 % 10477 AAF LTE-TDD (GC-FDMA, 50% RB, 1.4 MHz, 16-AAM, UL Sub) LTE-TDD 7.7 1.9.6 % 10478 AAB LTE-TDD (GC-FDMA, 50% RB, 3.4 MHz, 16-AAM, UL Sub) LTE-TDD 7.7 1.9.6 % 10480 <	10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	f	±9.6%
10466 AAC LTE-TDD (SC-FDMA, 1 RB, 3 MH2, QF3AU, USub) LTE-TDD 7.82 1.9.6 % 10467 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MH2, QF3AU, USub) LTE-TDD 8.56 1.9.6 % 10469 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MH2, QF3AU, USub) LTE-TDD 8.56 1.9.6 % 10470 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MH2, QF3K, UL Sub) LTE-TDD 8.52 1.9.6 % 10471 AAF LTE-TDD (SC-FDMA, 1 RB, 10 MH2, 16-QAN, UL Sub) LTE-TDD 8.52 1.9.6 % 10473 AAE LTE-TDD (SC-FDMA, 1 RB, 15 MH2, 16-QAN, UL Sub) LTE-TDD 8.57 1.9.6 % 10474 AAE LTE-TDD (SC-FDMA, 1 RB, 15 MH2, 16-QAN, UL Sub) LTE-TDD 8.57 1.9.6 % 10476 AAE LTE-TDD (SC-FDMA, 1 RB, 15 MH2, 4G-QAN, UL Sub) LTE-TDD 8.57 1.9.6 % 10477 AAE LTE-TDD (SC-FDMA, 50% RB, 1.4 MH2, QF3K, UL Sub) LTE-TDD 8.57 1.9.6 % 10478 AAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MH2, QF3K, UL Sub) LTE-TDD 8.56 1.9.6 % 10480 AAC						
10467 AF LTE-TOD (SC-FDMA, 1 RB, 5 MH2, 40-2AM, UL Sub) LTE-TOD 7.82 1.9.6 % 10468 AF LTE-TOD (SC-FDMA, 1 RB, 5 MH2, 46-2AM, UL Sub) LTE-TOD 8.52 1.9.6 % 10470 AF LTE-TOD (SC-FDMA, 1 RB, 10 MH2, QPSK, UL Sub) LTE-TOD 8.52 1.9.6 % 10471 AF LTE-TOD (SC-FDMA, 1 RB, 10 MH2, QPSK, UL Sub) LTE-TOD 8.52 1.9.6 % 10473 AF LTE-TOD (SC-FDMA, 1 RB, 10 MH2, QPSK, UL Sub) LTE-TOD 8.52 1.9.6 % 10473 AF LTE-TOD (SC-FDMA, 1 RB, 10 MH2, QPSK, UL Sub) LTE-TOD 8.52 1.9.6 % 10474 AF LTE-TOD (SC-FDMA, 1 RB, 10 MH2, QPSK, UL Sub) LTE-TOD 8.52 1.9.6 % 10477 AF LTE-TOD (SC-FDMA, 1 RB, 20 MH2, G+CAM, UL Sub) LTE-TOD 8.57 1.9.6 % 10477 AF LTE-TOD (SC-FDMA, 30 RB, 81, 14 MH2, G-CAM, UL Sub) LTE-TOD 8.71 9.8 % 10480 AAE LTE-TOD (SC-FDMA, 30 RB, 81, 3 MH2, G-CAM, UL Sub) LTE-TOD 8.19 8 % 10481 AAE LTE-TOD (SC-FDMA,		<u>}</u>				
10488 AF LTE-TDD S.32 ± 9.6 % 10498 AF LTE-TDD S.56 ± 9.6 % 10470 AF LTE-TDD S.56 ± 9.6 % 10471 AF LTE-TDD S.57 ± 9.6 % 10472 AF LTE-TDD S.57 ± 9.6 % 10473 AAE LTE-TDD S.57 ± 9.6 % 10474 AAE LTE-TDD S.57 ± 9.6 % 10474 AAE LTE-TDD S.57 ± 9.6 % 10474 AAE LTE-TDD S.57 ± 9.6 % 10477 AAE LTE-TDD S.57 ± 9.6 % 10478 AAE LTE-TDD S.57 ± 9.6 % 10478 AAB LTE-TDD S.57 ± 9.6 % 10478 AAB LTE-TDD S.67 ± 9.6 % 10484 AAC LTE-TDD S.74 ± 9.6 % 10484 AAC LTE-TDD S.74 ± 9.6 % 104				LTE-TDD	8.57	
10469 AAF LTE-TDD S.66 ± 9.6 % 10470 AAF LTE-TDD F.762 ± 9.6 % 10471 AAF LTE-TDD F.762 ± 9.6 % 10471 AAF LTE-TDD F.762 ± 9.6 % 10472 AAF LTE-TDD S.67 ± 9.6 % 10473 AAE LTE-TDD S.72 ± 9.6 % 10473 AAE LTE-TDD S.72 ± 9.6 % 10474 AAE LTE-TDD S.72 ± 9.8 % 10475 AAE LTE-TDD S.72 ± 9.8 % 10477 AAE LTE-TDD S.72 ± 9.8 % 10478 AAF LTE-TDD S.72 ± 9.8 % 10479 AAB LTE-TDD S.72 ± 9.8 % 10481 AAB LTE-TDD S.74 MAR ± 9.8 % 10482 AAC LTE-TDD S.74 MAR ± 9.8 % 10484 AAB LTE-TDD S.74 MAR ± 9.8 %		<u> </u>			}	
10470 AAF LTE-TDD C-F2DA 19.0 MHz 10-F2DA 19.6 % 10471 AAF LTE-TDD SC-FPDA 18.0 MHz 46-OAM, UL Sub) LTE-TDD 8.37 19.6 % 10472 AAF LTE-TDD C-FPDA 18.6 MHz, OFSA, UL Sub) LTE-TDD 7.62 19.6 % 10474 AAE LTE-TDD 7.62 19.6 % 10.6 % 19.6 % 19.6 % 19.6 % 19.6 % 19.6 % 10.6 % 19.6 % 19.6 % 10.6 % 19.6 % 19.6 % 10.6 % 19.6 % 10.6 % 19.6 % 19.6 % 10.6 % 19.6 % 10.6 % 19.6 %				LTE-TDD	8.32	±9.6 %
10471 AAF LTE-TDD 9.32 19.6 % 10472 AAF LTE-TDD 8.7 × 9.6 % 10473 AAE LTE-TDD 8.7 × 9.6 % 10473 AAE LTE-TDD 8.7 × 9.6 % 10473 AAE LTE-TDD 8.6 × 9.6 % 10474 AAE LTE-TDD 8.5 × 9.6 % 10475 AAE LTE-TDD 8.5 × 9.6 % 10477 AAF LTE-TDD 8.5 × 9.6 % 10478 AAE LTE-TDD 8.5 × 9.6 % 10478 AAF LTE-TDD 8.5 × 9.6 % 10478 AAE LTE-TDD 8.6 × 9.6 % 10480 ABE LTE-TDD 8.1 % 9.6 % 10481 AAB LTE-TDD 8.1 % 9.6 % 10482 AAC LTE-TDD 8.1 % 9.6 % 10482 AAC LTE-TDD 8.7 × 9.6 % 9.6 % 10484 AAC LTE-TDD 8.7 × 9.6 % 9.6 % 10484 AAF				LTE-TDD	1	
10472 AAF LTE-TDD 5.67 5.95 10473 AAF LTE-TDD 7.82 9.85 10474 AAE LTE-TDD 7.82 9.85 10474 AAE LTE-TDD 7.82 9.85 10474 AAE LTE-TDD 8.57 9.85 10477 AAF LTE-TDD 8.57 9.85 10477 AAF LTE-TDD 8.57 9.85 10477 AAF LTE-TDD 8.57 9.85 10478 AAF LTE-TDD 8.57 9.85 10470 AAF LTE-TDD 8.67 9.85 10481 AAS LTE-TDD (SC-FDMA, 60% RB, 1.4 MHz, CPGAK, UL Sub) LTE-TDD 8.49 10482 AAC LTE-TDD (SC-FDMA, 60% RB, 5.1 MHz, CPGAK, UL Sub) LTE-TDD 8.49 10484 AAC LTE-TDD (SC-FDMA, 60% RB, 5.1 MHz, CPGAK, UL Sub) LTE-TDD 8.49 10484 AAC LTE-TDD (SC-FDMA, 60% RB, 5.1 MHz, CPGAK, UL Sub) LTE-TDD 8.49 9.6 %				LTE-TDD	7.82	±9.6 %
10473 AAE LTE-TDD (SC-FDMA, 1RB, 15 MHz, 26-SK, UL Sub) LTE-TDD 7.62 5.8 10474 AAE LTE-TDD (SC-FDMA, 1RB, 15 MHz, 64-OAM, UL Sub) LTE-TDD 8.67 2.9.6 %, 10475 AAE LTE-TDD (SC-FDMA, 1RB, 20 MHz, 16-OAM, UL Sub) LTE-TDD 8.67 2.9.6 %, 10476 AAF LTE-TDD (SC-FDMA, 1RB, 20 MHz, 16-OAM, UL Sub) LTE-TDD 8.37 1.9.6 %, 10473 AAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-OAM, UL Sub) LTE-TDD 8.45 1.9.6 %, 10440 AAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-OAM, UL Sub) LTE-TDD 8.45 1.9.6 %, 10441 AAB LTE-TDD (SC-FDMA, 50% RB, 3.1 MHz, 16-OAM, UL Sub) LTE-TDD 7.7.4 1.9.6 %, 10442 AAC LTE-TDD (SC-FDMA, 50% RB, 3.1 MHz, 16-OAM, UL Sub) LTE-TDD 7.5.9 4.9.6 %, 10444 AAF LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 0-PSK, UL Sub) LTE-TDD 8.3.8 4.9.6 %, 10446 AAF LTE-TDD (SC-FDMA, 50% RB, 1.5 MHz, 16-OAM, UL Sub) LTE-TDD 8.3.8 4.9.6 %, 10		AAF		LTE-TDD	8.32	±9.6 %
10474 ARE LTE-TDD ISC-PDMA, 1RB, 15 MHz, 46-OAM, UL Sub) LTE-TDD 8.32 19.6 % 10477 ARF LTE-TDD (SC-PDMA, 1RB, 20 MHz, 64-OAM, UL Sub) LTE-TDD 8.32 19.6 % 10477 ARF LTE-TDD (SC-PDMA, 1RB, 20 MHz, 64-OAM, UL Sub) LTE-TDD 8.32 19.6 % 10478 AAB LTE-TDD (SC-PDMA, 50% RB, 1.4 MHz, G-SK, UL Sub) LTE-TDD 8.18 19.6 % 10481 AAB LTE-TDD (SC-PDMA, 50% RB, 1.4 MHz, G-SK, UL Sub) LTE-TDD 8.18 19.6 % 10483 AAC LTE-TDD (SC-PDMA, 50% RB, 1.4 MHz, G-SK, UL Sub) LTE-TDD 8.34 19.6 % 10484 AAC LTE-TDD (SC-PDMA, 50% RB, 3 MHz, G-CAM, UL Sub) LTE-TDD 8.34 19.6 % 10485 AAF LTE-TDD (SC-PDMA, 50% RB, 5 MHz, G-CAM, UL Sub) LTE-TDD 8.38 19.6 % 10486 AAF LTE-TDD (SC-PDMA, 50% RB, 10 MHz, G-CAM, UL Sub) LTE-TDD 8.38 19.6 % 10486 AAF LTE-TDD (SC-PDMA, 50% RB, 10 MHz, G-CAM, UL Sub) LTE-TDD 8.36 19.6 % 10486	10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10475 AAE LTE-TDD (SC-FDMA, 1R8, 15 MHz, 64-OAM, UL Sub) LTE-TDD 8,57 ± 9,6 %, 10476 AAF LTE-TDD (SC-FDMA, 1R8, 20 MHz, 64-OAM, UL Sub) LTE-TDD 8,57 ± 9,6 %, 10476 AAB LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-OAM, UL Sub) LTE-TDD 7,74 ± 9,6 %, 10480 AAB LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM, UL Sub) LTE-TDD 8,45 ± 9,6 %, 10481 AAB LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-OAM, UL Sub) LTE-TDD 7,74 ± 9,6 %, 10482 AAC LTE-TDD (SC-FDMA, 50% RB, 31MLz, 16-OAM, UL Sub) LTE-TDD 7,39 ± 9,6 %, 10483 AAC LTE-TDD (SC-FDMA, 50% RB, 31MLz, 16-OAM, UL Sub) LTE-TDD 8,34 ± 9,6 %, 10484 AAF LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 16-OAM, UL Sub) LTE-TDD 8,34 ± 9,6 %, 10486 AAF LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-OAM, UL Sub) LTE-TDD 8,34 ± 9,6 %, 10489 AAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 0F-OAM, UL Sub) LTE-TDD 8,31 ± 9,6 %, 1	10473	AAE		LTE-TDD	7.82	±9.6 %
10477 AAF ITE-TDD [SC-PDMA, 1R8, 20 MHz, 40-AM, UL Sub) ITE-TDD [SC-PDMA, 188, 20 MHz, 40-AM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 1.4 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 5 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 5 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 5 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 5 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 10 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 10 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 10 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 10 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 10 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 10 MHz, 0PSK, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 15 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 15 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 15 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 15 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 15 MHz, 16-QAM, UL Sub) ITE-TDD [SC-PDMA, 50% R8, 15 MHz, 40-QAM, UL Sub) ITE		AAE		LTE-TDD	8.32	± 9.6 %
10478 AAF LTE-TDD 15.77 1 0.6 0.7 1 0.6 0.7 1 0.6 0.7 1 0.6 0.7 1 0.6 0.7 1 0.6 0.7 1 0.6 0.7 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 0.7 1 1 0.6 1 1 1 1 1 1 1 1 1 1 1 <th1< th=""> 1 1 <th< td=""><td>10475</td><td>AAE</td><td>LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)</td><td>LTE-TDD</td><td>8.57</td><td>± 9.6 %</td></th<></th1<>	10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479 AAB LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 0PSK, UL Sub) LTE-TDD 8.18 ± 9.6 % 10481 AAB LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 0PSK, UL Sub) LTE-TDD 8.18 ± 9.6 % 10482 AAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 0PSK, UL Sub) LTE-TDD 8.48 ± 9.6 % 10482 AAC LTE-TDD (SC-FDMA, 50% RB, 31 MHz, 0PSK, UL Sub) LTE-TDD 8.39 ± 9.6 % 10484 AAC LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 0PSK, UL Sub) LTE-TDD 8.39 ± 9.6 % 10485 AAF LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 0PSK, UL Sub) LTE-TDD 8.38 ± 9.6 % 10486 AAF LTE-TDD (SC-FDMA, 50% RB, 51 MHz, 0PSK, UL Sub) LTE-TDD 8.38 ± 9.6 % 10488 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0PSK, UL Sub) LTE-TDD 8.30 ± 9.6 % 10488 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0PSK, UL Sub) LTE-TDD 8.31 ± 9.6 % 10489 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0FAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10491<	10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10480 AAB LTE-TDD 8.16 9.06 10481 AAB LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 4F-AM, UL Sub) LTE-TDD 8.45 ± 9.6 % 10482 AAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 4F-AM, Sub) LTE-TDD 8.39 ± 9.6 % 10483 AAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 4F-AM, Sub) LTE-TDD 8.39 ± 9.6 % 10484 AAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 4F-AQM, UL Sub) LTE-TDD 8.39 ± 9.6 % 10485 AAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 4F-QAM, UL Sub) LTE-TDD 8.38 ± 9.6 % 10486 AAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 4F-QAM, UL Sub) LTE-TDD 8.30 ± 9.6 % 10489 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10489 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10489 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 4-QAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, U	10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10481 AAB LTE-TDD (5cFDMA, 50%, RB, 14, MHz, 64-CAM, UL Sub) LTE-TDD 7.71 ± 9.6 % 10483 AAC LTE-TDD (SC-FDMA, 50%, RB, 3 MHz, 16-CAM, Sub) LTE-TDD 8.39 ± 9.6 % 10484 AAC LTE-TDD (SC-FDMA, 50%, RB, 3 MHz, 16-CAM, UL Sub) LTE-TDD 8.47 ± 9.6 % 10485 AAC LTE-TDD (SC-FDMA, 50%, RB, 5 MHz, 16-CAM, UL Sub) LTE-TDD 8.43 ± 9.6 % 10486 AAF LTE-TDD (SC-FDMA, 50%, RB, 5 MHz, 16-CAM, UL Sub) LTE-TDD 8.38 ± 9.6 % 10486 AAF LTE-TDD (SC-FDMA, 50%, RB, 5 MHz, 16-CAM, UL Sub) LTE-TDD 8.38 ± 9.6 % 10487 AAF LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, 4P-CAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10489 AAF LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, 4P-CAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, 4P-CAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50%, RB, 15 MHz, 16-CAM, UL Sub) LTE-TDD 8.41 ± 9.6 %	10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10482 AAC LTE-TDD 7.71 ± 9.6 % 10483 AAC LTE-TDD (7.71 ± 9.6 % 10484 AAC LTE-TDD (SFDMA, 50% RB, 3MHz, 4F-QAM, UL Sub) LTE-TDD 7.59 ± 9.6 % 10486 AAF LTE-TDD (SFDMA, 50% RB, 5MHz, QPSK, UL Sub) LTE-TDD 7.59 ± 9.6 % 10486 AAF LTE-TDD (SFDMA, 50% RB, 5MHz, QPSK, UL Sub) LTE-TDD 8.60 ± 9.6 % 10487 AAF LTE-TDD (SFDMA, 50% RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8.31 ± 9.6 % 10488 AAF LTE-TDD (SFDMA, 50% RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SFDMA, 50% RB, 15 MHz, QPSK, UL Sub) LTE-TDD 8.41 ± 9.6 % 10492 AAE LTE-TDD (SFDMA, 50% RB, 16 MHz, QPSK, UL Sub) LTE-TDD 8.41 ± 9.6 % 10494 AAF LTE-TDD (SFDMA, 50% RB, 20 MHz, 4-GAAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10498	10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10483 AAC LTE-TDD (S0, FEMAL, 50%, RB, 3 MHz, (S-GAM, Sub) LTE-TDD 8.39 ± 9.6 % 10484 AAC LTE-TDD (SC, FDMA, 50%, RB, 5 MHz, OPSK, UL Sub) LTE-TDD 8.47 ± 9.6 % 10486 AAF LTE-TDD (SC, FDMA, 50%, RB, 5 MHz, OPSK, UL Sub) LTE-TDD 8.38 ± 9.6 % 10486 AAF LTE-TDD (SC, FDMA, 50%, RB, 10 MHz, Q4-QAM, UL Sub) LTE-TDD 8.38 ± 9.6 % 10487 AAF LTE-TDD (SC, FDMA, 50%, RB, 10 MHz, Q4-QAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10489 AAF LTE-TDD (SC, FDMA, 50%, RB, 10 MHz, Q4-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC, FDMA, 50%, RB, 15 MHz, QFSK, UL Sub) LTE-TDD 8.54 ± 9.6 % 10492 AAE LTE-TDD (SC, FDMA, 50%, RB, 15 MHz, QFSK, UL Sub) LTE-TDD 8.54 ± 9.6 % 10493 AAE LTE-TDD (SC, FDMA, 50%, RB, 20 MHz, QFSK, UL Sub) LTE-TDD 8.54 ± 9.6 % 10494 AAF LTE-T	10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10484 AAC LTE-TDD (52, FDMA, 50%, RB, 5 MHz, 64-QAM, UL Sub) LTE-TDD 7, 59 ± 9, 6% 10485 AAF LTE-TDD (52, FDMA, 50%, RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 8, 38 ± 9, 6% 10487 AAF LTE-TDD (52, FDMA, 50%, RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 8, 60 ± 9, 6% 10488 AAF LTE-TDD (52, FDMA, 50%, RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8, 31 ± 9, 6% 10499 AAF LTE-TDD (52, FDMA, 50%, RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8, 31 ± 9, 6% 10491 AAE LTE-TDD (52, FDMA, 50%, RB, 15 MHz, QPSK, UL Sub) LTE-TDD 8, 41 ± 9, 6% 10492 AAE LTE-TDD (52, FDMA, 50%, RB, 20 MHz, QPSK, UL Sub) LTE-TDD 7, 74 ± 9, 6% 10494 AAF LTE-TDD (52, FDMA, 50%, RB, 20 MHz, QPSK, UL Sub) LTE-TDD 8, 41 ± 9, 6% 10496 AAF LTE-TDD (52, FDMA, 50%, RB, 20 MHz, QPSK, UL Sub) LTE-TDD 8, 42 ± 9, 6% 10498 AAB	10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6 %
10444 AAC LTE-TDD 8.47 ± 9.6 % 10485 AAF LTE-TDD 152-FDMA, 50% RB, 5MHz, (4-QAM, UL Sub) LTE-TDD 8.38 ± 9.6 % 10486 AAF LTE-TDD (SC-FDMA, 50% RB, 5MHz, (4-QAM, UL Sub) LTE-TDD 8.00 ± 9.6 % 10487 AAF LTE-TDD (SC-FDMA, 50% RB, 0MHz, QPSK, UL Sub) LTE-TDD 8.00 ± 9.6 % 10488 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8.31 ± 9.6 % 10499 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 40-QAM, UL Sub) LTE-TDD 7.74 ± 9.6 % 10492 AAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 100	10483	AAC		LTE-TDD		
10485 AAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, (3-SK, UL Sub) LTE-TDD 7.50 ± 9.6 % 10486 AAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, (4-QAM, UL Sub) LTE-TDD 8.38 ± 9.6 % 10488 AAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, (4-QAM, UL Sub) LTE-TDD 7.70 ± 9.6 % 10489 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, (4-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10490 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, (4-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10492 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 0-SU, UL Sub) LTE-TDD 8.55 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.37 ± 9.6 % 10498 AAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 4-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10498 <td>10484</td> <td>AAC</td> <td></td> <td></td> <td></td> <td></td>	10484	AAC				
10486 AAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 8.38 ± 9.6 % 10487 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8.70 ± 9.6 % 10488 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8.31 ± 9.6 % 10490 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, GPSK, UL Sub) LTE-TDD 7.74 ± 9.6 % 10492 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) LTE-TDD 8.51 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.34 ± 9.6 % 10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 % 10497 AAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 % 10499 <td>10485</td> <td>AAF</td> <td></td> <td></td> <td></td> <td></td>	10485	AAF				
10487 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) LTE-TDD 8.60 ± 9.6 % 10488 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10490 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 46-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10492 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 46-QAM, UL Sub) LTE-TDD 8.61 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.71 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.76 ± 9.6 % 10496 AAF LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, Q-PSK, UL Sub) LTE-TDD 7.67 ± 9.6 % 10498 AAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 40-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 % 10499 AAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 %	10486	AAF		LTE-TDD		
10488 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0PSK, UL Sub) LTE-TDD 7,70 ± 9.6 % 10499 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0PSK, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 0PSK, UL Sub) LTE-TDD 8.41 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 04-QAM, UL Sub) LTE-TDD 8.55 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 0FQAM, UL Sub) LTE-TDD 8.37 ± 9.6 % 10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10498 AAF LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10498 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 14-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10499 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 14-QAM, UL Sub) LTE-TDD 7.72 ± 9.6 % 10500 <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td>						<u> </u>
10489 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) LTE-TDD 8.31 ± 9.6 % 10490 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 46-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM, UL Sub) LTE-TDD 7.74 ± 9.6 % 10492 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 10-QAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 40-AM, UL Sub) LTE-TDD 7.74 ± 9.6 % 10495 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 40-AM, UL Sub) LTE-TDD 8.37 ± 9.6 % 10496 AAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK, UL Sub) LTE-TDD 8.64 ± 9.6 % 10497 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 % 10496 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 % 10501 AAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 % 10506<	10488					· · · · · · · · · · · · · · · · · · ·
10490 AAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) LTE-TDD 8.41 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) LTE-TDD 8.55 ± 9.6 % 10493 AAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) LTE-TDD 8.55 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) LTE-TDD 8.33 ± 9.6 % 10496 AAF LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10497 AAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) LTE-TDD 8.40 ± 9.6 % 10499 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10500 AAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10501 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 8.44 ± 9.6 % 10					;	
10491 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) LTE-TDD 7.74 ± 9.6 % 10492 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10494 AAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) LTE-TDD 8.55 ± 9.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.57 ± 9.6 % 10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.54 ± 9.6 % 10497 AAB LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK, UL Sub) LTE-TDD 8.64 ± 9.6 % 10498 AAB LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM, UL Sub) LTE-TDD 8.64 ± 9.6 % 10499 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 26-QAM, UL Sub) LTE-TDD 8.68 ± 9.6 % 10501 AAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 26-QAM, UL Sub) LTE-TDD 7.74 ± 9.6 % 10502 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 20-AM, UL Sub) LTE-TDD 7.74 ± 9.6 % 10506 <td></td> <td>· ····</td> <td></td> <td></td> <td>*****</td> <td></td>		· ····			*****	
10492 AAE LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) LTE-TDD 8.41 ± 9.6 % 10493 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 2FSK, UL Sub) LTE-TDD 8.55 ± 9.6 % 10495 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 2FSK, UL Sub) LTE-TDD 8.37 ± 9.6 % 10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD 8.33 ± 9.6 % 10497 AAB LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10498 AAB LTE-TDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM, UL Sub) LTE-TDD 8.40 ± 9.6 % 10499 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10500 AAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10501 AAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 7.67 ± 9.6 % 10502 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 7.72 ± 9.6 % 10504 AAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD					ł	
10493 AAE LTE-TDD SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) LTE-TDD 8.55 19.6 % 10494 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) LTE-TDD 7.74 19.6 % 10495 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GP-QAM, UL Sub) LTE-TDD 8.54 19.6 % 10496 AAF LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) LTE-TDD 8.54 19.6 % 10497 AAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK, UL Sub) LTE-TDD 7.67 19.6 % 10498 AAB LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) LTE-TDD 8.68 19.6 % 10499 AAB LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 8.64 19.6 % 10501 AAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) LTE-TDD 8.52 19.6 % 10502 AAC LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 7.72 19.6 % 10504 AAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD 7.74 19.6 % <						
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10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) WLAN 8.42 ± 9.6 %					*****	
10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) WLAN 8.21 ± 9.6 %						
	10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	±9.6%

10529 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.43 1.9 10531 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.33 1.9 10532 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.33 1.9 10533 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.45 1.9 10535 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.45 1.9 10537 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.44 9 10537 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.44 9 10540 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.66 2.9 10541 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.66 2.9 10543 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.65 2.9 10544 AAB IEEE 802.11ac WFI (20MHz, MCSB, 99pc dc) WLAN 8.65 2.9						
10531 AAB IEEE 802.11ae WFI (20MHz, MCSR, 99pc dc) WLAN 8.4.3 8.9 10532 AAB IEEE 802.11ae WFI (20MHz, MCSR, 99pc dc) WLAN 8.2.8 1.9 10534 AAB IEEE 802.11ae WFI (20MHz, MCSR, 99pc dc) WLAN 8.4.6 1.9 10535 AAB IEEE 802.11ae WFI (40MHz, MCSR, 99pc dc) WLAN 8.4.6 1.9 10536 AAB IEEE 802.11ae WFI (40MHz, MCSR, 99pc dc) WLAN 8.4.4 1.9 10540 AAB IEEE 802.11ae WFI (40MHz, MCSR, 99pc dc) WLAN 8.54 2.9 10541 AAB IEEE 802.11ae WFI (40MHz, MCSR, 99pc dc) WLAN 8.54 2.9 10542 AAB IEEE 802.11ae WFI (40MHz, MCSR, 99pc dc) WLAN 8.65 2.9 10544 AAB IEEE 802.11ae WFI (40MHz, MCSR, 99pc dc) WLAN 8.46 2.9 10544 AAB IEEE 802.11ae WFI (40MHz, MCSR, 99pc dc) WLAN 8.47 2.9 10544 AAB IEEE 802.11ae WFI (60MHz, MCSR, 99pc dc) WLAN 8.47 2.9		AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
1052 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 99pc dc) WLAN 8.29 4.9 10533 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 99pc dc) WLAN 8.45 4.9 10535 AAB IEEE 802.11ac WIFI (20MHz, MCS9, 99pc dc) WLAN 8.45 4.9 10536 AAB IEEE 802.11ac WIFI (20MHz, MCS1, 99pc dc) WLAN 8.42 4.9 10537 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.44 4.9 10540 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.46 4.9 10541 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.46 4.9 10542 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.46 4.9 10544 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.35 1.9 10545 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.35 1.9 10547 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.46 4.9 <td>10529</td> <td>AAB</td> <td>IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)</td> <td>WLAN</td> <td>8.36</td> <td>± 9.6 %</td>	10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10533 AAB IEEE 802.11ac WIFI (20MHz, MCS8, 99pc dc) WLAN 8.38 4.9 10535 AAB IEEE 802.11ac WIFI (20MHz, MCS1, 99pc dc) WLAN 8.45 4.9 10536 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.45 4.9 10537 AAB IEEE 802.11ac WIFI (20MHz, MCS3, 99pc dc) WLAN 8.44 4.9 10538 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.44 4.9 10541 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.65 4.9 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.65 4.9 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.45 4.9 10544 AAB IEEE 802.11ac WIFI (60MHz, MCS3, 99pc dc) WLAN 8.45 4.9 10547 AAB IEEE 802.11ac WIFI (60MHz, MCS3, 99pc dc) WLAN 8.45 4.9 10547 AAB IEEE 802.11ac WIFI (60MHz, MCS3, 99pc dc) WLAN 8.45 4.9 <td>10531</td> <td>AAB</td> <td>IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)</td> <td>WLAN</td> <td>8.43</td> <td>±9.6 %</td>	10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	±9.6 %
10534 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.45 45 10535 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 45 10537 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.44 49 10537 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.44 49 10540 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.46 ± 9 10541 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.65 ± 9 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.65 ± 9 10544 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.55 ± 9 10545 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.35 ± 9 10546 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.36 ± 9 10546 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.36 ± 9	10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6 %
1053 AAB IEEE 802.11ac WIFI (40MHz, MCS1, 99pc dc). WLAN 8.45 ± 9 10536 AAB IEEE 802.11ac WIFI (40MHz, MCS1, 99pc dc). WLAN 8.42 ± 9 10537 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc). WLAN 8.44 ± 9 10539 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc). WLAN 8.44 ± 9 10540 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc). WLAN 8.46 ± 9 10541 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc). WLAN 8.65 ± 9 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc). WLAN 8.65 ± 9 10544 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc). WLAN 8.55 ± 9 10545 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc). WLAN 8.35 ± 9 10545 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc). WLAN 8.36 ± 9 10546 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc). WLAN 8.36	10533	AAB	IEEE 802.11ac WIFI (20MHz, MCS8, 99pc dc)	WLAN	8.38	±9.6 %
10555 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.45 45 10537 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.44 45 10538 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.44 45 10540 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 99pc dc) WLAN 8.46 ±9 10541 AAB IEEE 802.11ac WIFI (40MHz, MCS6, 99pc dc) WLAN 8.65 ±9 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.65 ±9 10543 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.45 ±9 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.45 ±9 10545 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.35 ±9 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.36 ±9 10556 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.36 ±9 <td>10534</td> <td>AAB</td> <td>IEEE 802,11ac WiFi (40MHz, MCS0, 99pc dc)</td> <td>WLAN</td> <td>8.45</td> <td>±9.6 %</td>	10534	AAB	IEEE 802,11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	±9.6 %
1058 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 4.9 10537 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.44 4.9 10540 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.36 4.9 10541 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.46 1.9 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.65 1.9 10544 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.65 1.9 10544 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.47 1.9 10546 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.47 1.9 10547 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.43 1.9 10550 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.42 1.9 10551 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.45 1.9 <td></td> <td>AAB</td> <td></td> <td>WLAN</td> <td></td> <td>± 9.6 %</td>		AAB		WLAN		± 9.6 %
10537 AAB IEEE 02.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.44 ± 9 10540 AAB IEEE 02.11ac WIFI (40MHz, MCS6, 99pc dc) WLAN 8.34 ± 9 10541 AAB IEEE 02.11ac WIFI (40MHz, MCS6, 99pc dc) WLAN 8.46 ± 9 10542 AAB IEEE 02.11ac WIFI (40MHz, MCS8, 99pc dc) WLAN 8.65 ± 9 10543 AAB IEEE 02.11ac WIFI (40MHz, MCS8, 99pc dc) WLAN 8.65 ± 9 10544 AAB IEEE 02.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.65 ± 9 10545 AAB IEEE 02.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.47 ± 9 10547 AAB IEEE 02.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.48 ± 9 10547 AAB IEEE 02.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 ± 9 10550 AAB IEEE 02.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 ± 9 10551 AAC IEEE 02.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 ± 9 <td></td> <td></td> <td></td> <td>WLAN</td> <td>f</td> <td>± 9.6 %</td>				WLAN	f	± 9.6 %
1058 AAB IEEE 802.11ac WIFI (40MHz, MCSA, 99pc dc) WLAN 8.54 ± 9 10541 AAB IEEE 802.11ac WIFI (40MHz, MCS7, 99pc dc) WLAN 8.46 ± 9 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.46 ± 9 10543 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.45 ± 9 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.47 ± 9 10545 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.35 ± 9 10547 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.35 ± 9 10551 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.32 ± 9 10552 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 ± 9 10553 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 ± 9 10555 AAC IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.42 ± 9 <td>the second secon</td> <td></td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>	the second secon					± 9.6 %
10540 AAB IEEE 902.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.48 1.9 10541 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.46 1.9 10542 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.65 ± 9 10543 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.47 ± 9 10544 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.55 ± 9 10546 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.47 ± 9 10546 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.37 ± 9 10557 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.42 ± 9 10558 AAB IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.42 ± 9 10557 AAC IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.42 ± 9 10556 AAC IEEE 002.11ac WIFI (400Htz, MCSR, 99pc dc) WLAN 8.42						± 9,6 %
10541 AAB IEEE 802.11ac WIFI (40MHz, MCS8, 99pc dc) WLAN 8.46 ± 9 10542 AAB IEEE 802.11ac WIFI (40MHz, MCS8, 99pc dc) WLAN 8.65 ± 9 10543 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.47 ± 9 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.47 ± 9 10545 AAB IEEE 802.11ac WIFI (40MHz, MCS2, 99pc dc) WLAN 8.35 ± 9 10546 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.35 ± 9 10547 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.33 ± 9 10551 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.42 ± 9 10552 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.42 ± 9 10555 AAC IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.44 ± 9 10556 AAC IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.45 ± 9 <td></td> <td></td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>						± 9.6 %
10642 AAB IEEE 802.11ac WIFI (40MHz, MCS8, 99pc dc) WLAN 8.65 1 9 10543 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.65 1 9 10544 AAB IEEE 802.11ac WIFI (40MHz, MCS1, 99pc dc) WLAN 8.457 1 9 10545 AAB IEEE 802.11ac WIFI (40MHz, MCS1, 99pc dc) WLAN 8.457 1 9 10547 AAB IEEE 802.11ac WIFI (40MHz, MCS3, 99pc dc) WLAN 8.43 1 9 10548 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 99pc dc) WLAN 8.38 1 9 10551 AAB IEEE 802.11ac WIFI (40MHz, MCS4, 99pc dc) WLAN 8.42 1 9 10552 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.44 1 9 10554 AAC IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.45 1 9 10555 AAC IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.46 1 9 10556 AAC IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.52 1 9<	E					± 9.6 %
10543 AAB IEEE 802.11ac WIFI (40MHz, MCS9, 99pc dc) WLAN 8.65 1 9 10544 AAB IEEE 802.11ac WIFI (60MHz, MCS0, 99pc dc) WLAN 8.47 1 5 10546 AAB IEEE 802.11ac WIFI (60MHz, MCS2, 99pc dc) WLAN 8.35 1 9 10546 AAB IEEE 802.11ac WIFI (60MHz, MCS3, 99pc dc) WLAN 8.35 1 9 10547 AAB IEEE 802.11ac WIFI (60MHz, MCS4, 99pc dc) WLAN 8.37 1 9 10551 AAB IEEE 802.11ac WIFI (60MHz, MCS6, 99pc dc) WLAN 8.38 1 9 10551 AAB IEEE 802.11ac WIFI (60MHz, MCS7, 99pc dc) WLAN 8.42 1 9 10554 AAC IEEE 802.11ac WIFI (60MHz, MCS9, 99pc dc) WLAN 8.48 1 9 10555 AAC IEEE 802.11ac WIFI (60MHz, MCS9, 99pc dc) WLAN 8.47 1 9 10555 AAC IEEE 802.11ac WIFI (60MHz, MCS9, 99pc dc) WLAN 8.46 1 9 10555 AAC IEEE 802.11ac WIFI (60MHz, MCS9, 99pc dc) WLAN 8.50 1 9 <td></td> <td></td> <td></td> <td></td> <td></td> <td>$\pm 9.6\%$</td>						$\pm 9.6\%$
16544 AAB IEEE 802.11ac WIFI (80MHz, MCS0, 99pc dc) WLAN 8.47 ± 9 10545 AAB IEEE 802.11ac WIFI (80MHz, MCS2, 99pc dc) WLAN 8.55 ± 9 10547 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.49 ± 9 10547 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.49 ± 9 10556 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.38 ± 9 10557 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.45 ± 9 10553 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.45 ± 9 10554 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.45 ± 9 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.45 ± 9 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.52 ± 9 10557 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.61 ±	L					± 9.6 %
10546 AAB IEEE 802.11a WIFI (80MHz, MCS1, 99pc dc) WLAN 8.55 1 9 10546 AAB IEEE 802.11ac WIFI (80MHz, MCS2, 99pc dc) WLAN 8.35 1 9 10547 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.37 1 9 10548 AAB IEEE 802.11ac WIFI (80MHz, MCS4, 99pc dc) WLAN 8.38 1 9 10550 AAB IEEE 802.11ac WIFI (80MHz, MCS7, 99pc dc) WLAN 8.42 1 9 10553 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc) WLAN 8.46 1 9 10554 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.46 1 9 10555 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.46 1 9 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.47 1 9 10557 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.50 1 9 10566 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.73 1						
10546 AAB IEEE 802.11ac WIFI (80MHz, MCS2, 99pc dc) WLAN 8.35 ± 9 10547 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.37 ± 9 10556 AAB IEEE 802.11ac WIFI (80MHz, MCS4, 99pc dc) WLAN 8.37 ± 9 10551 AAB IEEE 802.11ac WIFI (80MHz, MCS4, 99pc dc) WLAN 8.38 ± 9 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.45 ± 9 10553 AAB IEEE 802.11ac WIFI (80MHz, MCS0, 99pc dc) WLAN 8.44 ± 9 10554 AAC IEEE 802.11ac WIFI (160MHz, MCS0, 99pc dc) WLAN 8.47 ± 9 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.52 ± 9 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10567 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.73 ± 9 10568 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.73 ±						± 9.6 %
10547 AAB IEEE 802.11ac WIFI (80MHz, MCS3, 99pc dc) WLAN 8.49 ± 9 10548 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.37 ± 9 10550 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.38 ± 9 10551 AAB IEEE 802.11ac WIFI (80MHz, MCS7, 99pc dc) WLAN 8.42 ± 9 10553 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc) WLAN 8.45 ± 9 10554 AAC IEEE 802.11ac WIFI (180MHz, MCS1, 99pc dc) WLAN 8.45 ± 9 10555 AAC IEEE 802.11ac WIFI (180MHz, MCS2, 99pc dc) WLAN 8.45 ± 9 10556 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.51 ± 9 10566 AAC IEEE 802.11ac WIFI (180MHz, MCS4, 98pc dc) WLAN 8.61 ± 9 10568 AAC IEEE 802.11ac WIFI (180MHz, MCS8, 98pc dc) WLAN 8.61 ± 9 10566 AAC IEEE 802.11ac WIFI (180MHz, MCS8, 98pc dc) WLAN 8.61						± 9.6 %
10548 AAB IEEE 802.11ac WIFI (80MHz, MCS4, 99pc dc) WILAN 8.37 ± 9 10550 AAB IEEE 802.11ac WIFI (80MHz, MCS7, 99pc dc) WILAN 8.36 ± 9 10551 AAB IEEE 802.11ac WIFI (80MHz, MCS7, 99pc dc) WILAN 8.42 ± 9 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc) WILAN 8.45 ± 9 10554 AAC IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc) WILAN 8.46 ± 9 10556 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WILAN 8.48 ± 9 10556 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 98pc dc) WILAN 8.52 ± 9 10557 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 98pc dc) WILAN 8.56 ± 9 10568 AAC IEEE 802.11ac WIFI (180MHz, MCS6, 99pc dc) WILAN 8.67 ± 9 10569 AAC IEEE 802.11ac WIFI (180MHz, MCS7, 98pc dc) WILAN 8.65 ± 9 10561 AAC IEEE 802.11ac WIFI (180MHz, MCS7, 98pc dc) WILAN 8.52						± 9.6 %
10560 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.38 ± 9 10551 AAB IEEE 802.11ac WIFI (80MHz, MCS6, 99pc dc) WLAN 8.42 ± 9 10553 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc) WLAN 8.42 ± 9 10554 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.44 ± 9 10555 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.47 ± 9 10555 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.47 ± 9 10556 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.52 ± 9 10557 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10560 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.62 ± 9 10561 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.65 ± 9 10564 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.65 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>±9.6 %</td></t<>						±9.6 %
10551 AAB IEEE 802.11ac WIFI (80MHz, MCS7, 99pc dc) WLAN 8.50 ± 9 10552 AAB IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc) WLAN 8.42 ± 9 10554 AAC IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc) WLAN 8.45 ± 9 10555 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.45 ± 9 10556 AAC IEEE 802.11ac WIFI (180MHz, MCS2, 99pc dc) WLAN 8.47 ± 9 10557 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.52 ± 9 10568 AAC IEEE 802.11ac WIFI (180MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10560 AAC IEEE 802.11ac WIFI (180MHz, MCS8, 99pc dc) WLAN 8.61 ± 9 10561 AAC IEEE 802.11ac WIFI (180MHz, MCS8, 99pc dc) WLAN 8.61 ± 9 10563 AAC IEEE 802.11ac WIFI (180MHz, MCS8, 99pc dc) WLAN 8.61 ± 9 10564 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mps, 99pc dc) WLAN 8.71 <td></td> <td></td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>						± 9.6 %
10552 AAB IEEE 802.11ac WIFI (80MHz, MCSB, 99pc dc) WLAN 8.42 ± 9 10553 AAC IEEE 802.11ac WIFI (80MHz, MCSB, 99pc dc) WLAN 8.46 ± 9 10554 AAC IEEE 802.11ac WIFI (180MHz, MCSB, 99pc dc) WLAN 8.47 ± 9 10555 AAC IEEE 802.11ac WIFI (180MHz, MCSB, 99pc dc) WLAN 8.47 ± 9 10556 AAC IEEE 802.11ac WIFI (180MHz, MCSB, 99pc dc) WLAN 8.50 ± 9 10556 AAC IEEE 802.11ac WIFI (180MHz, MCSB, 99pc dc) WLAN 8.61 ± 9 10560 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.73 ± 9 10561 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.75 ± 9 10562 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.75 ± 9 10564 AAC IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.75 ± 9 10565 AAA IEEE 802.11ac WIFI (180MHz, MCS9, 99pc dc) WLAN 8.15 <						±9.6 %
10553 AAB IEEE 802.11ac WiFI (80MHz, MCS9, 99pc dc) WLAN 8.45 ± 9 10554 AAC IEEE 802.11ac WiFI (80MHz, MCS1, 99pc dc) WLAN 8.44 ± 9 10555 AAC IEEE 802.11ac WiFI (160MHz, MCS1, 99pc dc) WLAN 8.50 ± 9 10556 AAC IEEE 802.11ac WiFI (160MHz, MCS2, 99pc dc) WLAN 8.52 ± 9 10557 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.52 ± 9 10558 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.73 ± 9 10560 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.76 ± 9 10561 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.75 ± 9 10564 AAA IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.75 ± 9 10564 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.15 ± 9 10565 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN		<u>}</u>				± 9.6 %
10554 AAC IEEE 802.11ac WiFI (180MHz, MCS0, 99pc dc) WLAN 8.46 ± 9 10555 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.47 ± 9 10556 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.50 ± 9 10557 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10568 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10561 AAC IEEE 802.11ac WiFI (160MHz, MCS7, 99pc dc) WLAN 8.66 ± 9 10562 AAC IEEE 802.11ac WiFI (160MHz, MCS7, 99pc dc) WLAN 8.66 ± 9 10563 AAC IEEE 802.11ac WiFI (24 GHz (DSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.46 ± 9 10564 AAA IEEE 802.11g WiFI 2.4 GHz (DSS-OFDM, 18 Mbps, 99pc dc) WLAN 8.46 ± 9 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.37 ± 9 10567 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	10552	AAB			8.42	±9.6 %
10555 AAC IEEE 802.11ac WIFI (160MHz, MCS1, 99pc dc) WLAN 8.47 ± 9 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS2, 99pc dc) WLAN 8.50 ± 9 10557 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10558 AAC IEEE 802.11ac WIFI (160MHz, MCS4, 99pc dc) WLAN 8.61 ± 9 10561 AAC IEEE 802.11ac WIFI (160MHz, MCS4, 99pc dc) WLAN 8.66 ± 9 10562 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.68 ± 9 10564 AAA IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.77 ± 9 10564 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.13 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.13 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	±9.6 %
10555 AAC IEEE 802.11ac WIFI (160MHz, MCS1, 99pc dc) WLAN 8.47 ± 9 10556 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.50 ± 9 10557 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10558 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10561 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.63 ± 9 10562 AAC IEEE 802.11ac WIFI (160MHz, MCS3, 99pc dc) WLAN 8.66 ± 9 10564 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.25 ± 9 10564 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.45 ± 9 10565 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	±9.6 %
10556 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.50 ± 9 10557 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.52 ± 9 10558 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.61 ± 9 10560 AAC IEEE 802.11ac WiFI (160MHz, MCS3, 99pc dc) WLAN 8.66 ± 9 10561 AAC IEEE 802.11ac WiFI (160MHz, MCS9, 99pc dc) WLAN 8.66 ± 9 10563 AAC IEEE 802.11ac WiFI (160MHz, MCS9, 99pc dc) WLAN 8.67 ± 9 10564 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.45 ± 9 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.13 ± 9 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.13 ± 9 10566 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.37 ± 9 10568 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 9	10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	±9.6 %
10557 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc) WLAN 8.52 ± 9 10558 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc) WLAN 8.61 ± 9 10560 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) WLAN 8.66 ± 9 10561 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) WLAN 8.66 ± 9 10562 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc) WLAN 8.68 ± 9 10564 AAA IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc) WLAN 8.25 ± 9 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.45 ± 9 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.37 ± 9 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 5.1 Mbps, 90pc		AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)			± 9.6 %
10558 AAC IEEE 802.11ac WIFI (160MHz, MCS4, 99pc dc) WLAN 8.61 ± 9 10560 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.73 ± 9 10561 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.66 ± 9 10562 AAC IEEE 802.11ac WIFI (160MHz, MCS8, 99pc dc) WLAN 8.67 ± 9 10563 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.25 ± 9 10564 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.13 ± 9 10565 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 8 Mbps, 99pc dc) WLAN 8.13 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10568 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10570 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 8.30 ± 9 10572 AAA IEEE 802.11g WIFI 2.4 GHz (DS						± 9.6 %
10560 AAC IEEE 802.11ac WIFI (160MHz, MCS6, 99pc dc) WLAN 8.73 ± 9 10561 AAC IEEE 802.11ac WIFI (160MHz, MCS7, 99pc dc) WLAN 8.69 ± 9 10562 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.69 ± 9 10563 AAC IEEE 802.11ac WIFI (24 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.77 ± 9 10564 AAA IEEE 802.11ac WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ± 9 10565 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) WLAN 8.13 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.31 ± 9 10567 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10568 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS.OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10570 AAA IEEE 802.119 WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.119						± 9.6 %
10561 AAC IEEE 802.11ac WIFI (160MHz, MCS7, 99pc dc) WLAN 8.56 ± 9 10562 AAC IEEE 802.11ac WIFI (160MHz, MCS8, 99pc dc) WLAN 8.69 ± 9 10563 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.77 ± 9 10564 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.25 ± 9 10565 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) WLAN 8.13 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.33 ± 9 10568 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10570 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 8.30 ± 9 10572 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.99 ± 9 10576 AAA IEEE 802.11b WIFI 2					· · · · · · ·	±9.6 %
10562 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.69 ± 9 10563 AAC IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc) WLAN 8.77 ± 9 10564 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.25 ± 9 10565 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ± 9 10566 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 14 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 34 Mbps, 99pc dc) WLAN 8.31 ± 9 10569 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10570 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS, OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10572 AAA IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE		(±9.6 %
10563 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc) WLAN 8.77 ± 9 10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.25 ± 9 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.15 ± 9 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.30 ± 9 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.30 ± 9 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 <td< td=""><td>3</td><td>E</td><td></td><td></td><td></td><td>± 9.6 %</td></td<>	3	E				± 9.6 %
10564 AAA IEEE 802.11g WiFi 2.4 GHz (DSS-OFDM, 9 Mbps, 99pc dc) WLAN 8.25 ± 9 10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ± 9 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.37 ± 9 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.37 ± 9 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) WLAN 8.30 ± 9 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA		3				± 9.6 %
10565 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) WLAN 8.45 ± 9 10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.00 ± 9 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.10 ± 9 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10570 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS, OFDM, 48 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.119 WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10576						$\pm 9.6\%$
10566 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) WLAN 8.13 ± 9 10567 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.00 ± 9 10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.37 ± 9 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.10 ± 9 10570 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.70						± 9.6 %
10567 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) WLAN 8.00 ± 9 10568 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.37 ± 9 10569 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.10 ± 9 10570 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 8.30 ± 9 10572 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.60 ± 9 10575 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10576 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10578 AAA </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>						± 9.6 %
10568 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) WLAN 8.37 ± 9 10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.10 ± 9 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA <td></td> <td></td> <td></td> <td></td> <td></td> <td>± 9.6 %</td>						± 9.6 %
10569 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) WLAN 8.10 ± 9 10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10579 AAA				1		$\pm 9.6\%$ $\pm 9.6\%$
10570 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) WLAN 8.30 ± 9 10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10581 AAA		. .				
10571 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) WLAN 1.99 ± 9 10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.67 <		4				± 9.6 %
10572 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) WLAN 1.99 ± 9 10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.76 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67		;	· · · · · · · · · · · · · · · · · · ·			± 9.6 %
10573 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) WLAN 1.98 ± 9 10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10582 AAA IEEE 802.11g /WiFi 2.4 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.67						± 9.6 %
10574 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) WLAN 1.98 ± 9 10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.60						±9.6 %
10575 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 14 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.						± 9.6 %
10576 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.76 ± 9 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.69 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49					· ·	±9.6 %
10577 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10578 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.69 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36					1	± 9.6 %
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10579 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.35 ± 9 10583 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.70 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 </td <td></td> <td></td> <td></td> <td>m.m.</td> <td></td> <td>± 9,6 %</td>				m.m.		± 9,6 %
10580 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.69 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10589 AAB I						± 9.6 %
10581 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.69 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10589 AAB IEEE 8					8.36	±9.6 %
10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.36 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9		L			8.76	±9.6 %
10582 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9 10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.60 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.36 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h Wi	10581	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6 %
10583 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) WLAN 8.59 ± 9 10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.49 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.36 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9	10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN		±9.6 %
10584 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) WLAN 8.60 ± 9 10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9	10583	AAB		WLAN	8.59	± 9.6 %
10585 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) WLAN 8.70 ± 9 10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9	10584	AAB		WLAN	1	±9.6 %
10586 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) WLAN 8.49 ± 9 10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9						± 9.6 %
10587 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) WLAN 8.36 ± 9 10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9						± 9.6 %
10588 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) WLAN 8.76 ± 9 10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9						± 9.6 %
10589 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) WLAN 8.35 ± 9 10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9						± 9.6 %
10590 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) WLAN 8.67 ± 9						±9.6 %
	1	1				$\pm 9.6\%$
	10590	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	$\pm 9.6\%$
						± 9.6 %
						± 9.6 %
					- <u> </u>	± 9.6 %
10595 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) WLAN 8.74 ± 9	10595	AAB	LIEE 002.1 III (HT MIXOO, 20MHZ, MUS4, 90pc OC)	WLAN	0.74	± 9.6 %

10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	±9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	±9.6%
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	±9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6%
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	±9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	±9.6%
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	±9.6%
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6%
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WIFI (80MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6%
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	$\pm 9.6\%$
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.05	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648		CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 10%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 20%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 40%)	Test	2.22	± 9.6 %
************************	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
		1 GOO TRAVOIDIN (20012, 0070)	1001	1 0.31	J
10662			Bluetooth	2 10	+06%
10670 10671		Bluetooth Low Energy IEEE 802.11ax (20MHz, MCS0, 90pc dc)	Bluetooth WLAN	2.19 9.09	± 9.6 % ± 9.6 %

(r			0.57	+069/
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN WLAN	8.57 8.78	<u>±9.6 %</u> ±9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc) IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10674	AAA		WLAN	8.90	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc) IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10676 10677	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAA	1EEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	±9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN WLAN	8.56	± 9.6 % ± 9.6 %
10705		IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706		IEEE 802.11ax (40MHz, MCS11, 90pc dc) IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	$\pm 9.6\%$
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.55	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 350c dc)	WLAN	8.33	± 9.6 %
10703		IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712		IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	±9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	±9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	±9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	±9.6%
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	1EEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	<u>± 9.6 %</u>

10736 AAA IEEE 802.11ak (BOME, MCSS, 990c do) WLAN 8.26 ± 9.6 % 10737 AAA IEEE 802.11ak (BOME, MCST, 990c do) WLAN 8.26 ± 9.6 % 10738 AAA IEEE 802.11ak (BOME, MCST, 990c do) WLAN 8.29 ± 9.6 % 10740 AAA IEEE 802.11ak (BOME, MCSS, 990c do) WLAN 8.40 ± 9.6 % 10741 AAA IEEE 802.11ak (BOME, MCSS, 990c do) WLAN 8.40 ± 9.6 % 10742 AAA IEEE 802.11ak (BOME, MCSS), 890c do) WLAN 8.43 ± 9.6 % 10744 AAA IEEE 802.11ak (BOME, MCS2, 900c do) WLAN 8.04 ± 9.6 % 10744 AAA IEEE 802.11ak (160ME, MCS2, 900c do) WLAN 9.01 ± 9.6 % 10746 AAA IEEE 802.11ak (160ME, MCS2, 900c do) WLAN 8.91 ± 9.6 % 10746 AAA IEEE 802.11ak (160ME, MCS3, 900c do) WLAN 8.92 ± 9.6 % 10747 AAA IEEE 802.11ak (160ME, MCS3, 900c do) WLAN 8.92 ± 9.6 % 10748 AAA IEEE 802.11ak (160ME, MCS3, 900c do) WLAN						
10738 AAA IEEE 802.11sk (60MHz, MCS7, 99pc.do) WLAN 8.42 ± 9.6 % 10739 AAA IEEE 802.11sk (60MHz, MCS9, 99pc.do) WLAN 8.40 ± 9.6 % 10741 AAA IEEE 802.11sk (60MHz, MCS1, 99pc.do) WLAN 8.40 ± 9.6 % 10741 AAA IEEE 802.11sk (60MHz, MCS11, 99pc.do) WLAN 8.40 ± 9.6 % 10742 AAA IEEE 802.11sk (60MHz, MCS1, 90pc.do) WLAN 8.43 ± 9.6 % 10744 AAA IEEE 802.11sk (160MHz, MCS3, 90pc.do) WLAN 8.33 ± 9.6 % 10745 AAA IEEE 802.11sk (160MHz, MCS3, 90pc.do) WLAN 9.04 ± 9.6 % 10746 AAA IEEE 802.11sk (160MHz, MCS3, 90pc.do) WLAN 8.30 ± 9.6 % 10748 AAA IEEE 802.11sk (160MHz, MCS3, 90pc.do) WLAN 8.30 ± 9.6 % 10748 AAA IEEE 802.11sk (160MHz, MCS3, 90pc.do) WLAN 8.30 ± 9.6 % 10754 AAA IEEE 802.11sk (160MHz, MCS1, 90pc.do) WLAN 8.22 ± 9.6 %	10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10739 AAA IEEE 802.11ak (ROMHE, MCSB, 99pc dc) WLAN 8.24 ± 9.6 % 10740 AAA IEEE 802.11ak (ROMHE, MCSB, 99pc dc) WLAN 8.44 ± 9.6 % 10742 AAA IEEE 802.11ak (ROMHE, MCSB, 99pc dc) WLAN 8.44 ± 9.6 % 10742 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 8.43 ± 9.6 % 10743 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 9.16 ± 9.6 % 10744 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 9.11 ± 9.6 % 10745 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 9.33 ± 9.6 % 10747 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 8.33 ± 9.6 % 10748 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 8.31 ± 9.6 % 10751 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 8.31 ± 9.6 % 10752 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN 8.31 ± 9.6 % 10753 AAA IEEE 802.11ak (ROMHE, MCSB, 90pc dc) WLAN		\$		1		
10740 AAA IEEE 802.11ax (80MHz, MCSB, 98pc dc) WLAN 8.44 1.9.6 % 10741 AAA IEEE 802.11ax (80MHz, MCSTI, 98pc dc) WLAN 8.44 ±.9.6 % 10743 AAA IEEE 802.11ax (80MHz, MCSTI, 98pc dc) WLAN 8.94 ±.9.6 % 10744 AAA IEEE 802.11ax (160MHz, MCST, 90pc dc) WLAN 9.91 ±.9.6 % 10745 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 9.91 ±.9.6 % 10746 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 9.91 ±.9.6 % 10747 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.90 ±.9.6 % 10749 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.92 ±.9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.92 ±.9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.94 ±.9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.94 ±.9.6 % <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td>		1				
10741 AAA IEEE B02 118x (B0MHz, MCS10, B9pc dc) WLAN 8,40 ±9,6 % 10742 AAA IEEE B02 118x (B0MHz, MCS0, B0pc dc) WLAN 8,43 ±9,6 % 10744 AAA IEEE B02 118x (B0MHz, MCS2, B0pc dc) WLAN 9,16 1 ±9,6 % 10744 AAA IEEE B02 118x (B0MHz, MCS2, B0pc dc) WLAN 9,11 1 ±9,6 % 10745 AAA IEEE B02 118x (B0MHz, MCS2, B0pc dc) WLAN 9,14 1 ±9,6 % 10747 AAA IEEE B02 118x (B0MHz, MCS3, B0pc dc) WLAN 9,04 1±9,6 % 10748 AAA IEEE B02 118x (B0MHz, MCS9, B0pc dc) WLAN 8,90 1±9,6 % 10750 AAA IEEE B02 118x (B0MHz, MCS9, B0pc dc) WLAN 8,90 1±9,6 % 10752 AAA IEEE B02 118x (B0MHz, MCS9, B0pc dc) WLAN 8,82 ±9,6 % 10754 AAA IEEE B02 118x (B0MHz, MCS9, B0pc dc) WLAN 8,84 ±9,6 % 10755 AAA IEEE B02 118x (B0MHz, MCS9, B0pc dc) WLAN 8,64 ±9,6 % 10756 AAA IEEE B02 118x (B0MHz, MCS9, B9pc dc)						
10742 AAA IEEE B02 118x (B0MHz, MCS11, Spipe dc) WLAN 8,43 ± 9,6 % 10743 AAA IEEE B02 118x (B0MHz, MCS1, Spipe dc) WLAN 8,43 ± 9,6 % 10745 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 9,16 ± 9,6 % 10745 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 9,11 ± 9,6 % 10745 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 9,11 ± 9,6 % 10747 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 8,03 ± 9,6 % 10748 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 8,03 ± 9,6 % 10759 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 8,81 ± 9,6 % 10754 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 8,84 ± 9,6 % 10754 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 8,64 ± 9,6 % 10755 AAA IEEE B02 118x (B0MHz, MCS3, Spipe dc) WLAN 8,64 ± 9,6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10743 AAA IEEE 802.118x (160MHz, MCS0, 90pc dc) WLAN 9.16 19.6 % 10744 AAA IEEE 802.118x (160MHz, MCS2, 80pc dc) WLAN 9.16 % 9.03 19.6 % 10745 AAA IEEE 802.118x (160MHz, MCS2, 80pc dc) WLAN 9.14 ± 9.6 % 10747 AAA IEEE 802.118x (160MHz, MCS4, 90pc dc) WLAN 8.93 ± 9.6 % 10748 AAA IEEE 802.118x (160MHz, MCS6, 90pc dc) WLAN 8.90 ± 9.6 % 10749 AAA IEEE 802.118x (160MHz, MCS6, 90pc dc) WLAN 8.90 ± 9.6 % 10752 AAA IEEE 802.118x (160MHz, MCS6, 90pc dc) WLAN 8.42 ± 9.6 % 10752 AAA IEEE 802.118x (160MHz, MCS1, 90pc dc) WLAN 8.42 ± 9.6 % 10754 AAA IEEE 802.118x (160MHz, MCS1, 90pc dc) WLAN 8.64 ± 9.6 % 10754 AAA IEEE 802.118x (160MHz, MCS1, 90pc dc) WLAN 8.64 ± 9.6 % 10754 AAA IEEE 802.118x (160MHz, MCS1, 90pc dc) WLAN 8.64 ± 9.6 % 10754 AAA IEEE 802.118x (160MHz, MCS1, 90pc dc) <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10744 AAA IEEE B02.11ax (160MHz, MCS1, 90pc.dc) WLAN 8.91 10745 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.93 ±9.6 % 10747 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 9.04 ±9.6 % 10747 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.03 ±9.6 % 10748 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.03 ±9.6 % 10750 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.79 ±9.6 % 10751 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.82 ±9.6 % 10752 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.84 ±9.6 % 10754 AAA IEEE B02.11ax (160MHz, MCS1, 90pc.dc) WLAN 8.84 ±9.6 % 10755 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.84 ±9.6 % 10756 AAA IEEE B02.11ax (160MHz, MCS3, 90pc.dc) WLAN 8.64 ±9.6 % 1				1		
10745 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 9.11 29.6 % 10747 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 9.04 ±9.6 % 10748 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 8.33 ±9.6 % 10749 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 8.90 ±9.6 % 10750 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 8.91 ±9.6 % 10751 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 8.01 ±9.6 % 10752 AAA IEEE B02.118x (160MHz, MCS1, 90pc dc) WLAN 9.01 ±9.6 % 10754 AAA IEEE B02.118x (160MHz, MCS1, 90pc dc) WLAN 8.04 ±9.6 % 10754 AAA IEEE B02.118x (160MHz, MCS1, 90pc dc) WLAN 8.04 ±9.6 % 10755 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 8.64 ±9.6 % 10756 AAA IEEE B02.118x (160MHz, MCS3, 90pc dc) WLAN 8.64 ±9.6 % <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td>		<u> </u>				
10747 AAA IEEE 802.11ax (160MHz, MCS4. 90pc dc) WLAN 9.11 ± 9.6 % 10747 AAA IEEE 802.11ax (160MHz, MCS4. 90pc dc) WLAN 8.93 ± 9.6 % 10748 AAA IEEE 802.11ax (160MHz, MCS6, 90pc dc) WLAN 8.90 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS6, 90pc dc) WLAN 8.92 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS6, 90pc dc) WLAN 8.92 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS6, 90pc dc) WLAN 8.94 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.7 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.6 ± 9.9 % 10769 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.6 ± 9.6 % 10760 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.5 ± 9.6 % 10764 AAA		1				
10747 AAA IEEE 802.11ax (160MHz, MCS5, 90pc dc) WLAN 9.04 ± 9.6 % 10748 AAA IEEE 802.11ax (160MHz, MCS5, 90pc dc) WLAN 8.90 ± 9.6 % 10750 AAA IEEE 802.11ax (160MHz, MCS7, 90pc dc) WLAN 8.82 ± 9.6 % 10751 AAA IEEE 802.11ax (160MHz, MCS7, 90pc dc) WLAN 8.81 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.81 ± 9.6 % 10753 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.94 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.94 ± 9.6 % 10756 AAA IEEE 802.11ax (160MHz, MCS2, 90pc dc) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.69 ± 9.6 % 10768 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.54 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.54 ± 9.6 % <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
IO749 AAA IEEE 802.11ax (160MHz, MCSB, 90pc dc) WLAN 8.93 ± 9.6 % IO750 AAA IEEE 802.11ax (160MHz, MCSB, 90pc dc) WLAN 8.79 ± 9.6 % IO751 AAA IEEE 802.11ax (160MHz, MCSB, 90pc dc) WLAN 8.81 ± 9.6 % IO752 AAA IEEE 802.11ax (160MHz, MCSB, 90pc dc) WLAN 8.81 ± 9.6 % IO754 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.94 ± 9.6 % IO755 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.94 ± 9.6 % IO756 AAA IEEE 802.11ax (160MHz, MCS1, 90pc dc) WLAN 8.77 ± 9.8 % IO756 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.68 ± 9.6 % IO759 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.58 ± 9.6 % IO760 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.53 ± 9.6 % IO761 AAA IEEE 802.11ax (160MHz, MCS3, 90pc dc) WLAN 8.53 ± 9.6 % <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10749 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.90 ± 9.6 % 10750 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.82 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.81 ± 9.6 % 10752 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.94 ± 9.6 % 10754 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.94 ± 9.6 % 10766 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.69 ± 9.6 % 10768 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.49 ± 9.6 % 10761 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.49 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCSR, 90pc dc) WLAN 8.54 ± 9.6 % <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10750 AAA IEEE 802.11ax (1600Hz, MCSR, 90pc dc) WLAN 8.79 ± 9.6 % 10751 AAA IEEE 802.11ax (1600Hz, MCS1, 90pc dc) WLAN 8.81 ± 9.6 % 10752 AAA IEEE 802.11ax (1600Hz, MCS1, 90pc dc) WLAN 8.94 ± 9.6 % 10754 AAA IEEE 802.11ax (1600Hz, MCS1, 90pc dc) WLAN 8.94 ± 9.6 % 10755 AAA IEEE 802.11ax (1600Hz, MCS1, 90pc dc) WLAN 8.74 ± 9.6 % 10756 AAA IEEE 802.11ax (1600Hz, MCS1, 90pc dc) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (1600Hz, MCS3, 90pc dc) WLAN 8.69 ± 9.6 % 10759 AAA IEEE 802.11ax (1600Hz, MCS8, 90pc dc) WLAN 8.58 ± 9.6 % 10760 AAA IEEE 802.11ax (1600Hz, MCS8, 90pc dc) WLAN 8.58 ± 9.6 % 10763 AAA IEEE 802.11ax (1600Hz, MCS8, 90pc dc) WLAN 8.54 ± 9.6 % 10764 AAA IEEE 802.11ax (1600Hz, MCS8, 90pc dc) WLAN 8.54 ± 9.6 % <td></td> <td></td> <td></td> <td>······································</td> <td>*****</td> <td></td>				······································	*****	
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10756 AAA IEEE 802.11ax (190MHz, MCS1, 99pc dc) WLAN 8.77 ± 9.6 % 10757 AAA IEEE 802.11ax (190MHz, MCS2, 99pc dc) WLAN 8.77 ± 9.6 % 10758 AAA IEEE 802.11ax (190MHz, MCS3, 99pc dc) WLAN 8.59 ± 9.6 % 10760 AAA IEEE 802.11ax (190MHz, MCS3, 99pc dc) WLAN 8.59 ± 9.6 % 10761 AAA IEEE 802.11ax (190MHz, MCS3, 99pc dc) WLAN 8.58 ± 9.6 % 10762 AAA IEEE 802.11ax (190MHz, MCS3, 99pc dc) WLAN 8.54 ± 9.6 % 10763 AAA IEEE 802.11ax (190MHz, MCS9, 99pc dc) WLAN 8.53 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS19, 99pc dc) WLAN 8.54 ± 9.6 % 10765 AAA IEEE 802.11ax (160MHz, MCS19, 99pc dc) WLAN 8.51 ± 9.6 % 10764 AAA IEEE 802.11ax (160MHz, MCS19, 99pc dc) WLAN 8.51 ± 9.6 % 10767 AAC 50 NR (CP-OFDM, 1FB, 15 MHz, CPSK, 15 KHz) 50 NR FR1 TDD 8.01		1)	
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10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 %	10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 %	10787				8.44	
10789 AAC 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 %	10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ± 9.6 % 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 % 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 %		-	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	
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10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 % 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 %			5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 %			· · · · · · · · · · · · · · · · · · ·		7.92	± 9.6 %
10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 % 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 %					7.95	± 9.6 %
10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 % 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 %						
10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 % 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 %						
10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 %				****	***	-
10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 %	·					
	10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %

10807 AAC 6 G NR [CP-OPEM, 1188, 80 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 7,88 9.8 % 10805 AAC 6 G NR [CP-OPEM, 1188, 100 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 7,83 19.6 % 10805 AAC 5G NR [CP-OPEM, 1188, 100 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,34 19.6 % 10806 AAC 5G NR [CP-OPEM, 50% RR, 10 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,34 19.6 % 10806 AAC 5G NR [CP-OPEM, 50% RR, 80 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,34 19.6 % 10810 AAC 6G NR [CP-OPEM, 50% RR, 80 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,34 19.6 % 10817 AAC 6G NR [CP-OPEM, 100% RR, 5D MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,34 19.6 % 10818 AAC 6G NR [CP-OPEM, 100% RR, 20 HHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,34 19.6 % 10822 AAC 6G NR [CP-OPEM, 100% RR, 20 HHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,44 9.6 % 10824 AAC 6G NR [CP-OPEM, 100% RR, 10 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8,44 9.6 %						
10903 AAC 56 NR (CP-OPIM, 198, 100 MHz, OPSK, 30 MHz) 56 NR (RFH TDD 8, 34 9, 9, 5% 10905 AAC 55 NR (CP-OPIM, 50% RB, 10 MHz, OPSK, 30 HHz) 56 NR (RF 1DD 8, 34 9, 9, 5% 10909 AAC 55 NR (CP-OFIM, 50% RB, 10 MHz, OPSK, 30 HHz) 56 NR (RF 1DD 8, 34 9, 9, 5% 10910 AAC 55 NR (CP-OFIM, 50% RB, 50 MHz, OPSK, 30 HHz) 55 NR (RF 1DD 8, 34 9, 9, 5% 10912 AAC 55 NR (CP-OFDM, 50% RB, 60 MHz, OPSK, 30 HHz) 55 NR (RF 1DD 8, 35 9, 9, 6% 10912 AAC 55 NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 55 NR (RF 1DD 8, 34 9, 9, 6% 10918 AAC 56 NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 30 HHz) 55 NR (RF 1DD 8, 34 9, 9, 6% 10820 AAC 56 NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 30 HHz) 56 NR (RF 1DD 8, 34 9, 9, 6% 10821 AAC 56 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 56 NR (RF 1DD 8, 44 9, 6 % 10824 AAC 56 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 50 HHz) 56 NR (RF 1DD 8, 44 9, 6 %						((
AAC Son R (CP-OPDM, 50% RB, 10 MHz, OPSK, 30 HHz) Son R FRI TDD 8.37 ± 9.6 % 10806 AAC Son R (CP-OPDM, 50% RB, 30 MHz, OPSK, 30 HHz) Son R FRI TDD 8.37 ± 9.6 % 10810 AAC Son R (CP-OFDM, 50% RB, 30 MHz, OPSK, 30 HHz) Son R FRI TDD 8.34 ± 9.6 % 10817 AAC Son R (CP-OFDM, 50% RB, 30 MHz, OPSK, 30 HHz) Son R FRI TDD 8.35 ± 9.6 % 10817 AAC Son R (CP-OFDM, 100% RB, 10 MHz, OPSK, 30 HHz) Son R FRI TDD 8.33 ± 9.6 % 10818 AAC Son R (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) Son R FRI TDD 8.33 ± 9.6 % 10821 AAC Son R (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) Son R FRI TDD 8.41 ± 9.6 % 10823 AAC Son R (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 HHz) Son R FRI TDD 8.41 ± 9.6 % 10823 AAC Son R (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) Son R FRI TDD 8.42 ± 9.6 % 10823 AAC Son R (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) Son R FRI TDD 4.42 ± 9.6 %		ļ			7.87	
10806 AAC 65 NR (CP-OPDM, 50% RB, 15 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.37 ± 9.6 % 10810 AAC 55 NR (CP-OPDM, 50% RB, 40 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.34 ± 9.6 % 10812 AAC 55 NR (CP-OFDM, 50% RB, 60 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.35 ± 9.6 % 10817 AAC 55 NR (CP-OFDM, 100% RB, 56 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.33 ± 9.6 % 10818 AAC 55 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.33 ± 9.6 % 10820 AAC 55 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.33 ± 9.6 % 10821 AAC 55 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.41 ± 9.6 % 10822 AAC 55 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 55 NR FRI TDD 8.41 ± 9.6 % 10824 AAC 55 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 50 HHz) 55 NR FRI TDD 8.42 ± 9.6 % 10824 AAC 55 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 50 HHz) 55 NR FRI TDD 8.43 ± 9.6 % <td></td> <td></td> <td></td> <td></td> <td>7,93</td> <td>± 9.6 %</td>					7,93	± 9.6 %
19809 AAC SG NR (CP-OFDM, 698 KB, 30 MHz, QPSK, 30 KHz) SG NR (FR TDD) 8,34 ±9.6 % 10917 AAC SG NR (CP-OFDM, 698 KB, 60 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,35 ±9.6 % 10917 AAC SG NR (CP-OFDM, 699 KB, 56 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,35 ±9.6 % 10918 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,34 ±9.6 % 10919 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,34 ±9.6 % 10921 AAC SG NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,41 ±9.6 % 10923 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,41 ±9.6 % 10924 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,41 ±9.6 % 10923 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,42 ±9.6 % 10924 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) SG NR FR TDD) 7,73 ±9.6 % <t< td=""><td></td><td></td><td></td><td></td><td>8.34</td><td>±9.6 %</td></t<>					8.34	±9.6 %
19910 AAC SG NR (2P-OFDM, 599K BB, 40 MHz, QPSK, 30 KHz) SG NR (FR TDD) 8,33 ±9,6 % 19917 AAC SG NR (2P-OFDM, 599K BB, 50 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,33 ±9,6 % 19918 AAC SG NR (2P-OFDM, 100% RB, 5 MHz, QPSK, 30 KHz) SG NR FR TDD) 8,33 ±9,6 % 19919 AAC SG NR (2P-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) SG NR FR TDD) 8,33 ±9,6 % 19820 AAC SG NR (2P-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) SG NR FR TDD) 8,34 ±9,6 % 19821 AAC SG NR (2P-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) SG NR FR TDD) 8,41 ±9,6 % 19824 AAC SG NR (2P-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) SG NR FR TDD) 8,38 ±9,6 % 19824 AAC SG NR (2P-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) SG NR FR TDD) 8,41 ±9,6 % 19824 AAC SG NR (2P-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) SG NR FR TDD) 8,43 ±9,6 % 19824 AAC SG NR (2P-OFDM, 100% RB, 20 MHz, QPSK, 50 kHz) SG NR FR TDD) 7,73 ±9,6 %				5G NR FR1 TDD	8.37	
10917 AAC SS NR (CP-OFEM, 100% RB, 60 MHz, QPSK, 30 HHz) SG NR FR TDD 8.35 ± 9.6 % 10917 AAC SG NR (CP-OFEM, 100% RB, 10 MHz, QPSK, 30 HHz) SG NR FR TDD 8.34 ± 9.6 % 10919 AAC SG NR (CP-OFEM, 100% RB, 15 MHz, QPSK, 30 HHz) SG NR FR TDD 8.34 ± 9.6 % 10920 AAC SG NR (CP-OFEM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10921 AAC SG NR (CP-OFEM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10923 AAC SG NR (CP-OFEM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10924 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10925 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 30 HHz) SG NR FR TDD 8.42 ± 9.6 % 10926 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 30 HHz) SG NR FR TDD 7.73 ± 9.6 % 10927 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 50 MHz) SG NR FR TDD 7.73 ± 9.6 %		AAC		5G NR FR1 TDD	8.34	±9.6 %
10917 AAC SS NR (CP-OFEM, 100% RB, 60 MHz, QPSK, 30 HHz) SG NR FR TDD 8.35 ± 9.6 % 10917 AAC SG NR (CP-OFEM, 100% RB, 10 MHz, QPSK, 30 HHz) SG NR FR TDD 8.34 ± 9.6 % 10919 AAC SG NR (CP-OFEM, 100% RB, 15 MHz, QPSK, 30 HHz) SG NR FR TDD 8.34 ± 9.6 % 10920 AAC SG NR (CP-OFEM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10921 AAC SG NR (CP-OFEM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10923 AAC SG NR (CP-OFEM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10924 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 30 HHz) SG NR FR TDD 8.41 ± 9.6 % 10925 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 30 HHz) SG NR FR TDD 8.42 ± 9.6 % 10926 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 30 HHz) SG NR FR TDD 7.73 ± 9.6 % 10927 AAC SG NR (CP-OFEM, 100% RB, 20 MHz, QPSK, 50 MHz) SG NR FR TDD 7.73 ± 9.6 %	10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	
10919 AAC 56 NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 6.33 ±9.6 % 10920 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.43 ±9.6 % 10821 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.44 ±9.6 % 10822 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.44 ±9.6 % 10823 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.41 ±9.6 % 10824 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.41 ±9.6 % 10825 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.42 ±9.6 % 10826 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 50 Hz) 5G NR FR1 TDD 8.43 ±9.6 % 10827 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 50 Mtz) 5G NR FR1 TDD 7.73 ±9.6 % 10828 AAC 5G NR (CP-OFDM, 108, 50 MHz, QPSK, 50 Mtz) 5G NR FR1 TDD 7.74 ±9.6 %	10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10818 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.33 ±9.6 % 10820 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.30 ±9.6 % 10821 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.41 ±9.6 % 10923 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.43 ±9.6 % 10923 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.43 ±9.6 % 10924 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.42 ±9.6 % 10925 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 8.42 ±9.6 % 10828 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) 5G NR FR1 TDD 7.73 ±9.6 % 10830 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 50 Hz) 5G NR FR1 TDD 7.74 ±9.6 % 10831 AAC 5G NR (CP-OFDM, 108, 60 MHz, QPSK, 60 Hz) 5G NR FR1 TDD 7.76 ±9.6 %	10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10e19 AAC GS NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 HHz) GS NR FR1 TDD 6.33 ± 9.6 % 10920 AAC GS NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10921 AAC GS NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.36 ± 9.6 % 10924 AAC GS NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.36 ± 9.6 % 10924 AAC GS NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10924 AAC SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10927 AAC SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10828 AAC SG NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.73 ± 9.6 % 10830 AAC SG NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.70 ± 9.6 % 10830 AAC SG NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.70 ± 9.6 %	10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	
10820 AAC GS NR (CP-OPDM, 100% RB, 20 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.30 ± 9.6 % 10821 AAC GS NR (CP-OPDM, 100% RB, 20 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10823 AAC GS NR (CP-OPDM, 100% RB, 30 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10824 AAC GS NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10825 AAC GS NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.43 ± 9.6 % 10826 AAC GS NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.43 ± 9.6 % 10827 AAC GS NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.43 ± 9.6 % 10828 AAC GS NR (CP-OPDM, 110% RB, 100 MHz, OPSK, 30 HHz) GS NR FR1 TDD 7.73 ± 9.6 % 10831 AAC GS NR (CP-OPDM, 11RB, 20 MHz, OPSK, 60 Hz) GS NR FR1 TDD 7.74 ± 9.6 % 10833 AAC GS NR (CP-OPDM, 11RB, 20 MHz, OPSK, 60 Hz) GS NR FR1 TDD 7.75 ± 9.6 % 10834 AAC GS NR (CP-OPDM, 11RB, 50 MHz, OPSK, 60 Hz)	10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	
10821 AAC GS NR (CP-OPDM, 100% RB, 26 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 % 10824 AAC GS NR (CP-OPDM, 100% RB, 30 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.36 ± 9.6 % 10824 AAC GS NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.36 ± 9.6 % 10825 AAC GS NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.42 ± 9.6 % 10828 AAC GS NR (CP-OPDM, 100% RB, 80 MHz, OPSK, 30 Hz) GS NR FR1 TDD 8.42 ± 9.6 % 10828 AAC GS NR (CP-OPDM, 100% RB, 80 MHz, OPSK, 30 Hz) GS NR FR1 TDD 8.40 ± 9.6 % 10828 AAC GS NR (CP-OPDM, 110% RB, 80 MHz, OPSK, 30 Hz) GS NR FR1 TDD 7.73 ± 9.6 % 10830 AAC GS NR (CP-OPDM, 1 RB, 10 MHz, OPSK, 60 Hz) GS NR FR1 TDD 7.70 ± 9.6 % 10831 AAC GS NR (CP-OPDM, 1 RB, 20 MHz, OPSK, 60 Hz) GS NR FR1 TDD 7.70 ± 9.6 % 10834 AAC GS NR (CP-OPDM, 1 RB, 40 MHz, OPSK, 60 Hz) GS NR FR1 TDD 7.70 ± 9.6 % 10834 AAC GS NR (CP-OPDM, 1 RB, 40 MHz, OPSK, 60 Hz) GS	10820	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	
10822 AAC GS NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 HHz) GS NR FR1 TDD 6.4.1 ± 9.6 % 10824 AAC GS NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.3.9 ± 9.6 % 10825 AAC GS NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.4.2 ± 9.6 % 10827 AAC GS NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.4.2 ± 9.6 % 10828 AAC GS NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.4.3 ± 9.6 % 10829 AAC GS NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.6.3 ± 9.6 % 10831 AAC GS NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.7.4 ± 9.6 % 10832 AAC GS NR (CP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.7.5 ± 9.6 % 10834 AAC GS NR RCP-OFDM, 1RB, 20 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.7.5 ± 9.6 % 10835 AAC GS NR (CP-OFDM, 1RB, 90 MHz, QPSK, 60 KHz) GS NR FR1 TDD 7.60 ± 9.6 %	10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		
10823 AAC 56 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.39 ± 9.6 %, 10825 10824 AAC 56 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.41 ± 9.6 %, 10825 10825 AAC 56 NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.42 ± 9.6 %, 10829 10826 AAC 56 NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.43 ± 9.6 %, 10829 10830 AAC 56 NR (CP-OFDM, 180, 10 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.63 ± 9.6 %, 10833 10831 AAC 56 NR (CP-OFDM, 181, 10 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.74 ± 9.6 %, 10833 10832 AAC 56 NR (CP-OFDM, 182, 20 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.70 ± 9.6 %, 10833 10834 AAC 56 NR (CP-OFDM, 182, 30 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.76 ± 9.6 %, 10837 10835 AAC 56 NR (CP-OFDM, 182, 50 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.76 ± 9.6 %, 10837 10836 AAC 56 NR (CP-OFDM, 188, 50 MHz, OPSK, 60 KHz) 56 NR FR1	10822	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		* ***********************************
10824 AAC 56 NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.39 ± 9.6 %, 10827 AAC 56 NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.41 ± 9.6 %, 10828 AAC 56 NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.42 ± 9.6 %, 10829 AAC 56 NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 80 KHz) 56 NR FR1 TDD 7.63 ± 9.6 %, 10831 AAC 56 NR (CP-OFDM, 18, 10 MHz, QPSK, 80 KHz) 56 NR FR1 TDD 7.73 ± 9.6 %, 10832 AAC 56 NR (CP-OFDM, 18, 20 MHz, QPSK, 80 KHz) 56 NR FR1 TDD 7.74 ± 9.6 %, 10833 AAC 56 NR (CP-OFDM, 18, 20 MHz, QPSK, 80 KHz) 56 NR FR1 TDD 7.76 ± 9.6 %, 10836 AAC 56 NR (CP-OFDM, 18, 40 MHz, QPSK, 80 KHz) 56 NR FR1 TDD 7.66 ± 9.6 %, 10837 AAC 56 NR (CP-OFDM, 18, 50 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.66 ± 9.6 %, 10838 AAC 56 NR (CP-OFDM, 18, 50 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.66 ± 9.6 %,	10823	AAC		5G NR FR1 TDD		h
10825 AAC 56 NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.41 ± 9.6 % 10827 AAC 56 NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.42 ± 9.6 % 10828 AAC 56 NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.43 ± 9.6 % 10830 AAC 56 NR (CP-OFDM, 18R, 10 MHz, OPSK, 60 HHz) 56 NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 56 NR (CP-OFDM, 18R, 10 MHz, OPSK, 60 HHz) 56 NR FR1 TDD 7.73 ± 9.6 % 10832 AAC 56 NR (CP-OFDM, 18R, 20 MHz, OPSK, 60 HHz) 56 NR FR1 TDD 7.76 ± 9.6 % 10833 AAC 56 NR (CP-OFDM, 18R, 30 MHz, OPSK, 60 HHz) 56 NR FR1 TDD 7.76 ± 9.6 % 10835 AAC 56 NR (CP-OFDM, 18R, 50 MHz, OPSK, 60 HHz) 56 NR FR1 TDD 7.76 ± 9.6 % 10836 AAC 56 NR (CP-OFDM, 18R, 50 MHz, OPSK, 60 HHz) 56 NR FR1 TDD 7.76 ± 9.6 % 10837 AAC 56 NR (CP-OFDM, 18R, 90 MHz, OPSK, 60 HHz) 56 NR FR1 TDD 7.77 ± 9.6 %	10824	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		
10827 AAC 56 NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.42 ± 9.6 % 10828 AAC 56 NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.43 ± 9.6 % 10830 AAC 56 NR (CP-OFDM, 10%, RB, 100 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 56 NR (CP-OFDM, 18, 16 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.73 ± 9.6 % 10832 AAC 56 NR (CP-OFDM, 18, 20 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.73 ± 9.6 % 10833 AAC 56 NR (CP-OFDM, 18, 20 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.70 ± 9.6 % 10835 AAC 56 NR (CP-OFDM, 18, 40 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.68 ± 9.6 % 10836 AAC 56 NR (CP-OFDM, 18, 50 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.68 ± 9.6 % 10837 AAC 56 NR (CP-OFDM, 18, 50 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.71 ± 9.6 % 10838 AAC 56 NR (CP-OFDM, 18, 70 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 7.71 ± 9.6 % 10840<	10825	AAC				
10828 AAC 56 NR (CP-OPDM, 100% RB, 30 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10830 AAC 5G NR (CP-OPDM, 10% RB, 100 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 7.63 ± 9.6 % 10830 AAC 5G NR (CP-OPDM, 1 RB, 10 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10831 AAC 5G NR (CP-OPDM, 1 RB, 20 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OPDM, 1 RB, 20 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10834 AAC 5G NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10835 AAC 5G NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OPDM, 1 RB, 50 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10840 AAC 5G NR (CP-OPDM, 1 RB, 90 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10841 AAC 5G NR (CP-OPDM, 1 RB, 90 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.71 ± 9.6 % <		AAC				
10829 AAC 5G NR FR1 TDD 8G NR FR1 TDD 8d 0 ± 9.6 % 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10834 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10838 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 7.77 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10844 AAC						
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10885 AAD 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 %	<u>}</u>	-				
	10885		56 NR (DFT-S-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %

10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.67	$\pm 9.6\%$
			5G NR FR1 TDD		
10899		5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)		5.67	$\pm 9.6\%$
10900		5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902		5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6%
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9,6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923		5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.95	± 9.6 %
			5G NR FR1 TDD	Į	4
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)		5.94	
10928		5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946		5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10947		5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.94	± 9.6 %
10948		5G NR (DFT-s-OFDM, 100% RB, 25 MHZ, QPSK, 15 KHZ)	5G NR FR1 FDD	5.94	$\pm 9.6\%$
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10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
	1 444	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10952 10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8,15	± 9.6 %

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10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %

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

Calibration Laboratory of

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



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Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

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PC Test Client

			r20

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
Calibration date:	April 21, 2020 413012020

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	01-Apr-20 (No. 217-03100/03101)	Apr-21
Power sensor NRP-Z91	SN: 103244	01-Apr-20 (No. 217-03100)	Apr-21
Power sensor NRP-Z91	SN: 103245	01-Apr-20 (No. 217-03101)	Apr-21
Reference 20 dB Attenuator	SN: CC2552 (20x)	31-Mar-20 (No. 217-03106)	Apr-21
DAE4	SN: 660	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DV2	SN: 3013	31-Dec-19 (No. ES3-3013_Dec19)	Dec-20
Secondary Standards	1D	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-19)	In house check: Oct-20

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
			YU
Approved by:	Katja Pokovic	Technical Manager	<u>ll</u> l
			/
			Issued: April 21, 2020
This calibration certificate	shall not be reproduced except in full	without written approval of the lat	poratory.

Calibration Laboratory of

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



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Glossarv:

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx, y, z are only intermediate values, i.e., the uncertainties of NORMx, y, z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- *PAR*: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y, z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Accreditation No.: SCS 0108

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.37	0.48	0.40	± 10.1 %
DCP (mV) ^B	95.5	99.2	96.4	

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	156.2	± 3.3 %	±4.7 %
		Y	0.00	0.00	1.00		141.1		
		Z	0.00	0.00	1.00		140.3		
10352-	Pulse Waveform (200Hz, 10%)	X	1.49	60.26	8.05	10.00	60.0	± 2.9 %	± 9.6 %
AAA		Y	20.00	90.70	20.05	Į	60.0	1	
		Z	2.86	66.88	11.41		60.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	1.17	61.48	7.19	6.99	80.0	±1.9 %	±9.6 %
AAA		Y	20.00	94.00	20.46	1	80.0]	
		Z	2.25	67.67	10.40	1	80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.52	60.00	4.84	3.98	95.0	± 1.3 %	±9.6 %
AAA		Y	20.00	108.82	25.95]	95.0]	
		Z	0.59	61.41	6.05		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.33	60.00	3.18	2.22	120.0	± 1.5 %	± 9.6 %
AAA		Y	20.00	129.02	33.26		120.0		
		Z	0.27	60.00	3.64		120.0		
10387-	QPSK Waveform, 1 MHz	X	1.80	70.53	16.45	1,00	150.0	± 3.7 %	± 9.6 %
AAA		Y	1.73	67.34	15.67		150.0]	
		Z	1.50	67.44	14.91		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.20	69.69	16.83	0.00	150.0	±0.9%	±9.6 %
AAA		Y	2.31	69.01	16.37		150.0		
		Z	2.03	68.14	15.83		150.0		
10396-	64-QAM Waveform, 100 kHz	X	2.40	69.28	18.92	3.01	150.0	± 1.8 %	± 9.6 %
AAA		Y	2.42	67.35	17.31		150.0		
		Z	2,37	68.43	18.30		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.53	67.93	16.49	0.00	150.0	± 2.3 %	± 9.6 %
AAA		Y	3.54	67.47	16.05		150.0		
		Z	3.33	66.93	15.79		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.78	66.12	16.12	0.00	150.0	± 4.4 %	± 9.6 %
AAA		Y	4.85	65.79	15.69		150.0	_	
		Z	4.77	66.08	15.90		150.0		1

Note: For details on UID parameters see Appendix

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

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

α V⁻¹ **T2** Т3 **T4** Т5 **T6** C1 C2 **T1** V-2 **V**⁻¹ <u>ms.V⁻²</u> ms.V⁻¹ fF fF ms 0.33 0.00 1.01 Х 34.1 271.92 40.14 5.37 0.70 5.00 1.00 Y 43.4 323.73 35.56 8.59 0.04 5.08 0.03 0.39 0.35 1.01 Ζ 34.8 269.09 37.94 4.60 0.50 5.05 0.00

Sensor Model Parameters

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	12.6
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)
30	55.0	0.75	17.02	17.02	17.02	0.00	1.00	± 13.3 %
64	54.2	0.75	14.93	14.93	14.93	0.00	1.00	± 13.3 %
750	41.9	0.89	10.23	10.23	10.23	0.61	0.80	± 12.0 %
835	41.5	0.90	9.96	9.96	9.96	0.51	0.83	± 12.0 %
1750	40.1	1.37	8.69	8.69	8.69	0.30	0.86	± 12.0 %
1900	40.0	1.40	8.32	8.32	8.32	0.33	0.86	± 12.0 %
2300	39.5	1.67	7.92	7.92	7.92	0.28	0.90	± 12.0 %
2450	39.2	1.80	7.78	7.78	7.78	0.34	0.90	± 12.0 %
2600	39.0	1.96	7.43	7.43	7.43	0.38	0.90	± 12.0 %
3500	37.9	2.91	7.42	7.42	7.42	0.30	1.30	± 13.1 %
3700	37.7	3.12	7.28	7.28	7.28	0.30	1.30	± 13.1 %
5250	35.9	4.71	5.50	5.50	5.50	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.93	4.93	4.93	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.05	5.05	5.05	0.40	1.80	± 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 ± 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. ^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.

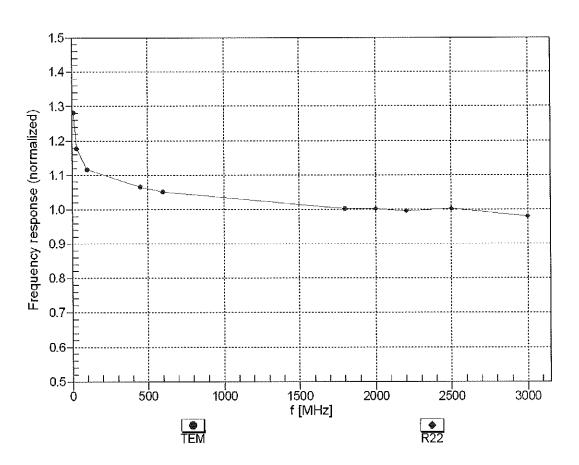
Deletive Conductivity			-			r i	Depth ^G	Unc
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	(mm)	(k=2)
750	55.5	0.96	10.20	10.20	10.20	0.46	0.80	± 12.0 %
835	55.2	0.97	10.06	10.06	10.06	0.50	0.80	± 12.0 %
1750	53.4	1.49	8.17	8.17	8.17	0.39	0.86	± 12.0 %
1900	53.3	1.52	7.80	7.80	7.80	0.42	0.86	± 12.0 %
2300	52.9	1.81	7.73	7.73	7.73	0.26	0.90	± 12.0 %
2450	52.7	1.95	7.64	7.64	7.64	0.28	0.90	± 12.0 %
2600	52.5	2,16	7.52	7.52	7.52	0.25	0.90	± 12.0 %
3500	51.3	3.31	6.84	6.84	6.84	0.35	1.35	± 13.1 %
3700	51.0	3,55	6.69	6.69	6.69	0.35	1.35	± 13.1 %
5250	48.9	5.36	4.61	4.61	4.61	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.10	4.10	4.10	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.09	4.09	4.09	0.50	1.90	± 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 (a and a) can be relaxed to ± 10% if liquid compensation formula is applied to

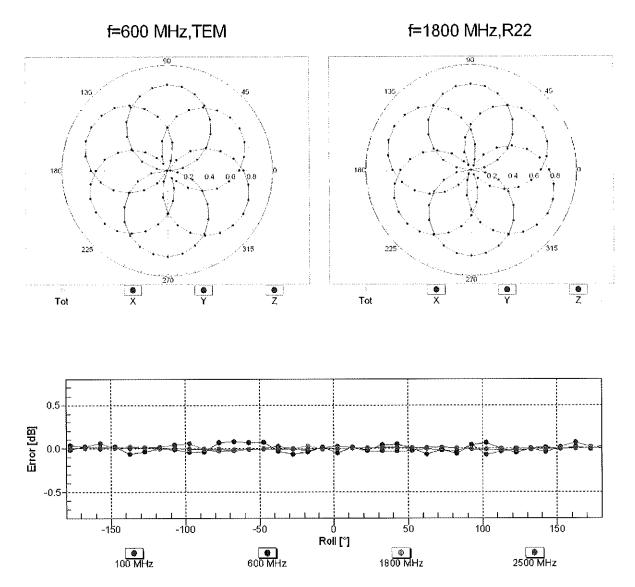
^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty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

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



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

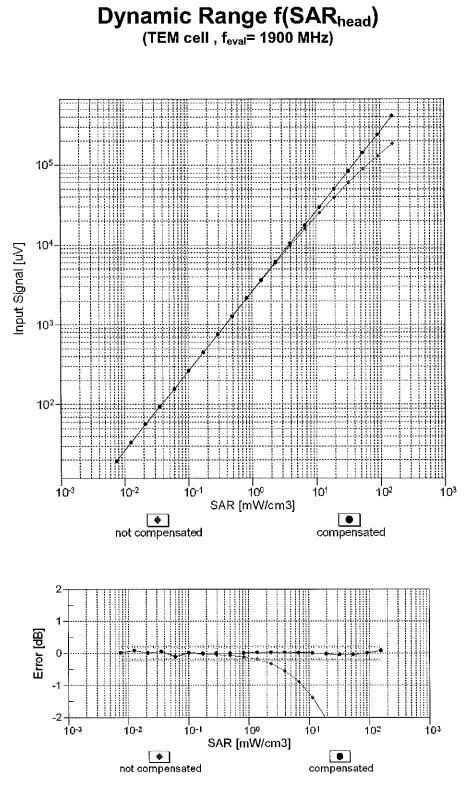
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)



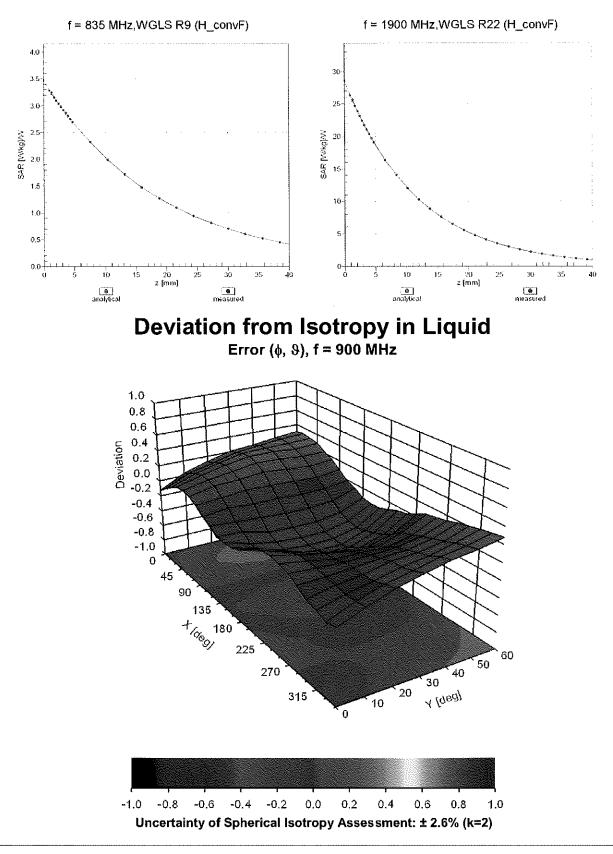
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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

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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	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 Bluetooth	4.77	$\pm 9.6\%$
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	CDMA2000	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	AMPS	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 % ± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	DECT	13.80	±9.6%
10048	CAA CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10049	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10055	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, 0.0 Wibps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802,11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)		9.29	$\pm 9.6\%$
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	$\pm 9.6\%$
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	<u>± 9.6 %</u>
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8,15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10197					
10197	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %

10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10220	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, 8PSK)	WLAN	8.06	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 30 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10224	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10225	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10220	CAB		LTE-TDD	10.26	
10227		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	9,22	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD		±9.6 % ±9.6 %
	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)		10.25	±9.6%
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6%
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6%
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10205	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10200	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10207	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10208	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 10-QAM)	LTE-TDD	10.08	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAM)	LTE-TDD	9.58	$\pm 9.6\%$
10270		UMTS-FDD (HSUPA, 100% RB, 15 MHz, QP3R)	WCDMA	4.87	$\pm 9.6\%$
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA		
10275		PHS (QPSK)	PHS	3.96	$\pm 9.6\%$
		PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS PHS	11.81	$\pm 9.6\%$
10278	CAA		~~~~	11.81	±9.6%
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
1 40000	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10298 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, 3CTRL)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	±9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WIMAX	14.58	±9.6 %
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WIMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	±9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	±9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8,37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	$\pm 9.6\%$
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN		
L	1 70.00			8 14	1 + 9 6 %
1 1/1/1/1/4				8.14	$\pm 9.6\%$
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN WLAN	8.19 8.32	± 9.6 % ± 9.6 %
10422 10423	AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN WLAN WLAN	8.19 8.32 8.47	± 9.6 % ± 9.6 % ± 9.6 %
10422 10423 10424	AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN	8.19 8.32 8.47 8.40	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10422 10423 10424 10425	AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN WLAN WLAN WLAN WLAN	8.19 8.32 8.47 8.40 8.41	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426	AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN WLAN WLAN WLAN WLAN WLAN	8.19 8.32 8.47 8.40 8.41 8.45	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427	AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN WLAN WLAN	8.19 8.32 8.47 8.40 8.41 8.45 8.41	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430	AAB AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.28	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431	AAB AAB AAB AAB AAB AAB AAD AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 70D (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.28 8.38	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432	AAB AAB AAB AAB AAB AAB AAD AAD AAD AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF 70D (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.28 8.38 8.34	± 9.6 % ± 9.6 %
10422 10423 10424 10425 10426 10427 10430 10431 10432	AAB AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 7DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	WLAN WLAN WLAN WLAN WLAN WLAN LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434	AAB AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 90 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.34 8.34	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434	AAB AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 7DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 8.34 8.34 8.34 8.34 8.34 8.34	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 7DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA LTE-TDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.38 8.38 8.34 8.34 7.56	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10434	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF AAD AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 7DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD UTE-FDD WCDMA LTE-TDD LTE-FDD LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10444 10445	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAA AAF AAD AAD AAD AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10444 10435 10444 104450	AAB AAB AAB AAB AAB AAD AAD AAC AAC AAA AAF AAD AAC AAA AAF AAD AAC AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53 7.51	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 104435 104448 104450 10450	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF AAD AAD AAD AAC AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53 7.51 7.48 7.59	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \\$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10444 10435 10444 104450 10450 10451	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAC AAA AAF AAD AAD AAD AAD AAD AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) V-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53 7.51 7.48 7.59 10.00	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \\$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10443 10434 10435 10447 10448 10449 10450 10451 10453	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAA AAF AAD AAD AAD AAD AAC AAA AAD AAD AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) V-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA Test WLAN	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53 7.51 7.48 7.59 10.00 8.63	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \\$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10443 10443 10444 104450 10450 10451 10453 10456 10457	AAB AAB AAB AAB AAB AAD AAD AAD AAC AAA AAC AAA AAD AAC AAA AAD AAC AAA AAD AAA AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) V-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) V-CDMA (BS Test Model 1, 64-QAM, 99pc dc) UMTS-FDD (DC-HSDPA)	WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD VCDMA Test WLAN	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53 7.51 7.48 7.59 10.00 8.63 6.62	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \\$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10443 10443 10445 10445 10450 10451 10453 10456 10457 10458	AAB AAB AAB AAB AAB AAD AAD AAD AAD AAC AAA AAA AAD AAC AAA AAD AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (OFDMA, 1 RB, 20 MHz, QPSK, UL Sub) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) V-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) V-CDMA (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD UTE-FDD UTE-FDD UTE-FDD UTE-FDD UTE-FDD WCDMA Test WLAN WCDMA CDMA2000	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53 7.51 7.48 7.59 10.00 8.63 6.62 6.55	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \\$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10443 10443 10444 104450 10450 10451 10453 10456 10457 10458 10459	AAB AAB AAB AAB AAB AAD AAD AAD AAD AAC AAA AAA AAA AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) V-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA Test WLAN WCDMA CDMA2000 CDMA2000	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.45 8.41 8.28 8.34 8.34 8.34 7.56 7.53 7.51 7.48 7.59 10.00 8.63 6.62 6.55 8.25	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \\$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10443 10443 10445 10445 104450 10451 10453 10456 10457 10458 10459	AAB AAB AAB AAB AAB AAD AAD AAD AAD AAC AAA AAA AAA AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) V-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) V-CDMA (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers) UMTS-FDD (WCDMA, AMR)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.45 8.41 8.45 8.41 8.28 8.38 8.34 8.34 7.56 7.53 7.51 7.48 7.59 10.00 8.63 6.62 6.55 8.25 2.39	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \\$
10422 10423 10424 10425 10426 10427 10430 10431 10432 10433 10434 10435 10443 10443 10444 10445 10445 104450 10451 10453 10456 10457 10458 10459	AAB AAB AAB AAB AAB AAD AAD AAD AAD AAC AAA AAA AAA AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) IEEF DD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1) UTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) V-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN UTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD LTE-FDD WCDMA Test WLAN WCDMA CDMA2000 CDMA2000	8.19 8.32 8.47 8.40 8.41 8.45 8.41 8.45 8.41 8.45 8.41 8.28 8.34 8.34 8.34 7.56 7.53 7.51 7.48 7.59 10.00 8.63 6.62 6.55 8.25	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \\$

10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 04-QAM, 0L Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, 0L Sub)	LTE-TDD	8.57	± 9.6 %
		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-QAW, 0E Sub)	LTE-TDD		$\pm 9.0\%$ $\pm 9.6\%$
10467	AAF			7.82	
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8,47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	$\pm 9.6\%$
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF				
10490	-	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8,40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD		
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, 0L Sub)		8.42	$\pm 9.6\%$
				8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10524	-MAD				
10524 10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10524		IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN WLAN	8.36 8.42	± 9.6 % ± 9.6 %

10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WIFI (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	±9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	±9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFI (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
		1	WLAN	8.49	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)		-	
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	$\pm 9.6\%$
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	±9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAB	[IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WIFI (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	±9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8,56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	±9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b Wifi 2.4 GHz (DSSS, 1.1 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN		
		· · · · · · · · · · · · · · · · · · ·	WLAN	8.60	$\pm 9.6\%$
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)		8.70	$\pm 9.6\%$
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	$\pm 9.6\%$
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	$\pm 9.6\%$
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
	AAB	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10587		IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10588	AAB		I	0.00	± 9.6 %
	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8,35	<u>± 9.0</u> /0
10588		IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN WLAN	8.35	± 9.6 %
10588 10589	AAB				
10588 10589 10590	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.67 8.63	± 9.6 % ± 9.6 %
10588 10589 10590 10591 10592	AAB AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN WLAN	8.67 8.63 8.79	± 9.6 % ± 9.6 % ± 9.6 %
10588 10589 10590 10591	AAB AAB AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN WLAN WLAN	8.67 8.63	± 9.6 % ± 9.6 %

10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	±9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	±9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	±9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	±9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	±9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	±9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WIFI (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WIFI (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WIFI (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WIFI (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	$\pm 9.6\%$
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658		Pulse Waveform (200Hz, 10%)	Test	10.00	$\pm 9.6\%$
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	6.99	$\pm 9.6\%$
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	3.98	± 9.6 %
10661		Pulse Waveform (200Hz, 40%)	Test	2.22	$\pm 9.6\%$
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	
10662	AAA		Bluetooth		$\pm 9.6\%$
10670		Bluetooth Low Energy IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	2.19	$\pm 9.6\%$
10071	MAA			9.09	± 9.6 %

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10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	±9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	±9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN WLAN	8.42	$\pm 9.6\%$
10685	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc) IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.26 8.33	±9.6 % ±9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS2, 35pc dc)	WLAN	8.28	±9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802,11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6%
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714 10715	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN WLAN	8.26	± 9.6 %
10715	AAA AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc) IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30 8.48	±9.6 % ±9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.24	$\pm 9.6\%$ $\pm 9.6\%$
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.81	$\pm 9.6\%$
10719		IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	$\pm 9.6\%$
10720	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	$\pm 9.6\%$ $\pm 9.6\%$
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 95pc dc)	WLAN	8.40	$\pm 9.6\%$
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	$\pm 9.6\%$
10742	AAA	IEEE 802.11ax (800M12, MCS11, 95pc dc)	WLAN	8.94	
10743	AAA		WLAN		$\pm 9.6\%$
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16 8,93	<u>±9.6 %</u> ±9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	9.11	± 9.6 %
10740		IEEE 802.11ax (160MHz, MCS3, 30pc dc)	WLAN	9.04	± 9.6 %
10748		IEEE 802.11ax (160MHz, MCS4, 30pc dc)	WLAN	8.93	± 9.6 %
10740	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS0, 30pc dc)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS10, 30pc dc)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	<u>8.77</u>	$\pm 9.6\%$
10757	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.69	$\pm 9.6\%$
10759	AAA	IEEE 802.11ax (160MHz, MCS3, 95pc dc)	WLAN	8.58	$\pm 9.6\%$
10759		IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAB	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAB	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6%
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8,01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %

18801 AAC 56 NR (CP-OFDM, 118, 80 MHz, CPSK, 30 Hz) 56 NR (RF) TDD 7.87 ± 9.6 % 18983 AAC 56 NR (CP-OFDM, 118, 80 MHz, CPSK, 30 Hz) 56 NR (RF) TDD 7.83 ± 9.6 % 18983 AAC 56 NR (CP-OFDM, 55% (RB, 15 MHz, OPSK, 30 Hz) 56 NR (RF) TDD 8.34 ± 9.6 % 18989 AAC 56 NR (CP-OFDM, 55% (RB, 16 MHz, OPSK, 30 Hz) 56 NR (RF) TDD 8.34 ± 9.6 % 18989 AAC 56 NR (CP-OFDM, 55% (RB, 10 MHz, OPSK, 30 Hz) 56 NR (RF) TDD 8.34 ± 9.6 % 18989 AAC 56 NR (CP-OFDM, 55% (RB, 10 MHz, OPSK, 30 Hz) 56 NR (RF) TDD 8.34 ± 9.6 % 18981 AAC 56 NR (CP-OFDM, 105% (RB, 10 MHz, OPSK, 30 Hz) 56 NR (RF) TDD 8.33 ± 9.6 % 18981 AAC 56 NR (CP-OFDM, 105% (RB, 20 MHz, OPSK, 30 Hz) 56 NR RF RT TDD 8.34 ± 9.6 % 18981 AAC 56 NR (CP-OFDM, 105% (RB, 20 MHz, OPSK, 30 Hz) 56 NR RF RT TDD 8.34 ± 9.6 % 18981 AAC 56 NR (CP-OFDM, 105% (RB, 20 MHz, OPSK, 30 Hz) 56 NR RF RT TDD 8.34 ± 9.6 % <	r			·		
1883 AAC 56 NR (CP-OPEM, 198, 81) 00 MHz, OPSK, 30 MHz) 56 NR FRI TDD 7,34 9,96 % 10805 AAC 56 NR (CP-OPEM, 50% RB, 15 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,34 19,66 % 10809 AAC 56 NR (CP-OPEM, 50% RB, 15 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,34 19,6 % 10810 AAC 56 NR (CP-OPEM, 50% RB, 30 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,34 19,6 % 10811 AAC 56 NR (CP-OPEM, 50% RB, 30 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,33 19,6 % 10818 AAC 56 NR (CP-OPEM, 100% RB, 51 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,33 19,6 % 10820 AAC 56 NR (CP-OPEM, 100% RB, 25 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,34 19,6 % 10821 AAC 56 NR (CP-OPEM, 100% RB, 25 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,34 19,6 % 10822 AAC 56 NR (CP-OPEM, 100% RB, 30 MHz, OPSK, 30 HHz) 56 NR FRI TDD 8,44 19,6 % 10824 AAC 56 NR (CP-OPEM, 100% RB, 30 MHz, OPSK, 30 Hz) 56 NR FRI TDD 8,44 19,6 %			5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 %
10805 AAC 56 AMR (2P-OFDM, 50% RB, 10 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,37 8,96 % 10809 AAC 56 AMR (2P-OFDM, 50% RB, 30 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,34 9,96 % 10810 AAC 56 AMR (2P-OFDM, 50% RB, 30 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,34 9,96 % 10811 AAC 56 AMR (2P-OFDM, 50% RB, 60 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,33 9,96 % 10817 AAC 56 AMR (2P-OFDM, 100% RB, 10 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,33 9,96 % 10819 AAC 56 AMR (2P-OFDM, 100% RB, 20 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,33 19,96 % 10821 AAC 56 AMR (2P-OFDM, 100% RB, 20 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,41 19,86 % 10823 AAC 56 AMR (2P-OFDM, 100% RB, 30 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,41 19,86 % 10824 AAC 56 AMR (2P-OFDM, 100% RB, 30 MHz, OPSK, 30 KHz) 56 AMR FRI TDD 8,41 19,86 % 10823 AAC 56 AMR (2P-OFDM, 100% RB, 30 MHz, OPSK, 30 Hz) 56 AMR FRI TDD 8,41 19,86 %	10802			5G NR FR1 TDD	7.87	
19869 AAC SGN R (CP-OPEM, 50% R8): 16 MHz, OPSK, 30 HHz) SGN R RFR TDD 8,37 19.8 % 10810 AAC SGN R (CP-OPEM, 50% R8): 40 MHz, OPSK, 30 HHz) SGN R RFR TDD 8,34 19.8 % 10810 AAC SGN R (CP-OPEM, 50% R8): 40 MHz, OPSK, 30 HHz) SGN R RFR TDD 8,34 19.8 % 10817 AAC SGN R (CP-OPEM, 50% R8): 60 MHz, OPSK, 30 HHz) SGN R RFR TDD 8,33 19.8 % 10817 AAC SGN R (CP-OPEM, 100% R8): 50 MHz, OPSK, 30 HHz) SGN R RFR TDD 8,33 19.8 % 10820 AAC SGN R (CP-OPEM, 100% R8): 50 MHz, OPSK, 30 HHz) SGN RF RFT TDD 8,33 19.8 % 10821 AAC SGN R (CP-OPEM, 100% R8): 50 MHz, OPSK, 30 HHz) SGN RF RFT TDD 8,41 19.8 % 10822 AAC SGN R (CP-OPEM, 100% R8): 50 MHz, OPSK, 30 HHz) SGN RF RFT TDD 8,41 9.8 % 10824 AAC SGN RF (CP-OPEM, 100% R8): 50 MHz, OPSK, 30 HHz) SGN RF RFT TDD 8,42 9.8 % 10824 AAC SGN RF (CP-OPEM, 100% R8): 50 MHz, OPSK, 50 HHz) SGN RF RFT TDD 8,42 9.8 %	10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 %
10806 AAC 55 NR (CP-OFDM, 50% R8, 15 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.34 19.6 % 10810 AAC 55 NR (CP-OFDM, 50% R8, 20 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.34 19.6 % 10812 AAC 55 NR (CP-OFDM, 50% R8, 20 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.33 19.6 % 10817 AAC 55 NR (CP-OFDM, 100% R8, 51 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.33 19.6 % 10818 AAC 55 NR (CP-OFDM, 100% R8, 15 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.33 19.6 % 10820 AAC 55 NR (CP-OFDM, 100% R8, 25 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.33 19.6 % 10821 AAC 55 NR (CP-OFDM, 100% R8, 25 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.41 19.6 % 10824 AAC 55 NR (CP-OFDM, 100% R8, 20 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.42 19.6 % 10824 AAC 55 NR (CP-OFDM, 100% R8, 20 MHz, OPSK, 50 Hz) 55 NR FR TDD 8.43 19.6 % 10824 AAC 56 NR (CP-OFDM, 100% R8, 20 MHz, OPSK, 60 Hz) 55 NR FR TDD 8.43 19.6 % 10828<	10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10809 AAC FS NR (CP-OFDM, 50% RE, 30 MHz, QPSK, 30 KHz) FS NR FR TDD 8.34 ±9.6 % 10810 AAC FS NR (CP-OFDM, 50% RE, 60 MHz, QPSK, 30 KHz) FS NR TDD 8.35 ±9.6 % 10817 AAC FS NR (CP-OFDM, 50% RE, 50 MHz, QPSK, 30 KHz) FS NR TDD 8.35 ±9.6 % 10818 AAC FS NR (CP-OFDM, 100% RE, 10 MHz, QPSK, 30 KHz) FS NR TDD 8.34 ±9.6 % 10819 AAC FS NR (CP-OFDM, 100% RE, 20 MHz, QPSK, 30 KHz) FS NR TDD 8.33 ±9.6 % 10821 AAC FS NR (CP-OFDM, 100% RE, 20 MHz, QPSK, 30 KHz) FS NR TDD 8.41 ±9.6 % 10823 AAC FS NR (CP-OFDM, 100% RE, 50 MHz, QPSK, 30 KHz) FS NR TDD 8.41 ±9.6 % 10824 AAC FS NR (CP-OFDM, 100% RE, 50 MHz, QPSK, 30 KHz) FS NR FR TDD 8.43 ±9.6 % 10823 AAC FS NR (CP-OFDM, 100% RE, 50 MHz, QPSK, 30 KHz) FS NR FR TDD 8.42 ±9.6 % 10824 AAC FS NR (CP-OFDM, 100% RE, 50 MHz, QPSK, 50 KHz) FS NR FR TDD 7.73 ±9.6 % 10828	10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	
10810 AAC FG NR (PC-OFDM, 50% RB, 40 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.34 ± 9.6 % 10812 AAC FG NR (PC-OFDM, 50% RB, 50 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.35 ± 9.6 % 10818 AAC FG NR (PC-OFDM, 100% RB, 50 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.34 ± 9.6 % 10829 AAC FG NR (PC-OFDM, 100% RB, 15 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.34 ± 9.6 % 10820 AAC FG NR (PC-OFDM, 100% RB, 20 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.34 ± 9.6 % 10821 AAC FG NR (PC-OFDM, 100% RB, 20 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.34 ± 9.6 % 10822 AAC FG NR (PC-OFDM, 100% RB, 20 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.36 ± 9.6 % 10824 AAC FG NR (PC-OFDM, 100% RB, 20 MHz, QPSK, 30 HHz) FG NR FR1 TDD 8.43 ± 9.6 % 10827 AAC FG NR (PC-OFDM, 100% RB, 20 MHz, QPSK, 50 HHz) FG NR FR1 TDD 7.73 ± 9.6 % 10828 AAC FG NR FR1 TDD 7.74 ± 9.6 % 19.8 % 19.8 % 19.8 % <td>10809</td> <td>AAC</td> <td></td> <td>5G NR FR1 TDD</td> <td>8.34</td> <td>± 9.6 %</td>	10809	AAC		5G NR FR1 TDD	8.34	± 9.6 %
10917 AAC GO NN (CP-OFDM, 30% RB, 60 MHz, QPSK, 30 Htz) GO NN FR1 TDD 8.35 ± 9.6 %, 10917 AAC GO NN (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 Htz) GO NN FR1 TDD 8.34 ± 9.6 %, 10919 AAC GO NN (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 Htz) GO NN FR1 TDD 8.34 ± 9.6 %, 10821 AAC GG NN RCP-OFDM, 100% RB, 20 MHz, QPSK, 30 Htz) GO NN FR1 TDD 8.41 ± 9.6 %, 10822 AAC GG NN (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Htz) GG NN FR1 TDD 8.41 ± 9.6 %, 10823 AAC GG NN (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Htz) GG NN FR1 TDD 8.41 ± 9.6 %, 10824 AAC GG NN (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Htz) GG NN FR1 TDD 8.42 ± 9.6 %, 10825 AAC GG NN (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Htz) GG NN FR1 TDD 8.43 ± 9.6 %, 10826 AAC GG NN (CP-OFDM, 100% RB, 60 MHz, QPSK, 50 Htz) GG NN FR1 TDD 7.0 ± 9.6 %, 10827 AAC GG NN (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 Htz) GG NN FR1 TDD 7.0 ± 9.6 %,	10810	AAC		5G NR FR1 TDD		<u>, </u>
10817 AAC GS NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.35 ± 9.6 % 10819 AAC SG NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 Hz) GG NR FR1 TDD 8.33 ± 9.6 % 10820 AAC SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8.41 ± 9.6 % 10821 AAC SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8.41 ± 9.6 % 10822 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8.41 ± 9.6 % 10823 AAC SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8.41 ± 9.6 % 10824 AAC SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8.42 ± 9.6 % 10825 AAC SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Hz) SG NR FR1 TDD 8.42 ± 9.6 % 10828 AAC SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.73 ± 9.6 % 10830 AAC SG NR (CP-OFDM, 108%, 20 MsL, QPSK, 50 Hz) SG NR FR1 TDD 7.73 ± 9.6 %	10812	AAC				
10819 AAC GS NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 50 Hz) GS NR FR1 TDD 8.34 ± 9.6 % 10820 AAC GG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 50 Hz) GS NR FR1 TDD 8.30 ± 9.6 % 10821 AAC GS NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 50 Hz) GS NR FR1 TDD 8.41 ± 9.6 % 10822 AAC GS NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 50 Hz) GS NR FR1 TDD 8.41 ± 9.6 % 10823 AAC GS NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Hz) GS NR FR1 TDD 8.41 ± 9.6 % 10824 AAC GS NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Hz) GS NR FR1 TDD 8.42 ± 9.6 % 10825 AAC GS NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 Hz) GS NR FR1 TDD 8.43 ± 9.6 % 10828 AAC SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 50 Hz) SG NR FR1 TDD 7.63 ± 9.6 % 10831 AAC SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 Hz) SG NR FR1 TDD 7.74 ± 9.6 % 10832 AAC SG NR (CP-OFDM, 108, TB, 10 MHz, QPSK, 60 Hz) SG NR FR1 TDD 7.74 ± 9.6 %						
19819 AAC GS NR (CP-OPEM, 100% RB, 15 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.33 ± 9.6 % 19820 AAC GG NR (CP-OPEM, 100% RB, 20 MHz, OPSK, 30 HHz) GG NR FR1 TDD 8.41 ± 9.6 % 19821 AAC GG NR (CP-OPEM, 100% RB, 20 MHz, OPSK, 30 HHz) GG NR FR1 TDD 8.41 ± 9.6 % 19822 AAC GG NR (CP-OFEM, 100% RB, 30 MHz, OPSK, 30 HHz) GG NR FR1 TDD 8.36 ± 9.6 % 19824 AAC GG NR (CP-OFEM, 100% RB, 50 MHz, QPSK, 30 HHz) GG NR FR1 TDD 8.39 ± 9.6 % 19825 AAC GG NR (CP-OFEM, 100% RB, 80 MHz, QPSK, 30 HHz) GG NR FR1 TDD 8.42 ± 9.6 % 19826 AAC GG NR (CP-OFEM, 100% RB, 80 MHz, QPSK, 30 HHz) GG NR FR1 TDD 8.40 ± 9.6 % 19827 AAC GS NR (CP-OFEM, 100% RB, 10 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.40 ± 9.6 % 19828 AAC SG NR FR1 TDD 8.40 ± 9.6 % 19.6 % 19830 AAC SG NR FR1 TDD 7.71 ± 9.6 % 19.6 % 19.6 % 19.6 % 19.6 %				<u></u>		
10820 AAC GS NR (CP-OPEM, 100% RB, 20 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.30 ± 9.8 %, 10821 AAC 50 NR (CP-OPEM, 100% RB, 20 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 %, 10822 AAC GS NR (CP-OPEM, 100% RB, 20 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.36 ± 9.6 %, 10824 AAC GS NR (CP-OPEM, 100% RB, 50 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 %, 10825 AAC GS NR (CP-OPEM, 100% RB, 50 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 %, 10826 AAC GS NR (CP-OPEM, 100% RB, 50 MHz, QPSK, 30 HHz) GS NR FR1 TDD 8.43 ± 9.6 %, 10828 AAC GS NR (CP-OPEM, 100% RB, 90 MHz, QPSK, 60 HHz) GS NR FR1 TDD 7.63 ± 9.6 %, 10831 AAC GS NR (CP-OPEM, 1RB, 10 MHz, QPSK, 60 HHz) GS NR FR1 TDD 7.74 ± 9.6 %, 10832 AAC GS NR (CP-OPEM, 1RB, 30 MHz, QPSK, 60 HHz) GS NR FR1 TDD 7.75 ± 9.6 %, 10833 AAC GS NR (CP-OPEM, 1RB, 30 MHz, QPSK, 60 HHz) GS NR FR1 TDD 7.76 ± 9.6 %, </td <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td>				<u> </u>		
19821 AAC GS NR (CP-OFDM, 100%, RB, 20 MHz, OPSK, 30 HHz) GS NR FR1 TDD 8.41 ± 9.6 %, 19822 AAC GG NR (CP-OFDM, 100%, RB, 30 MHz, OPSK, 30 HHz) GG NR FR1 TDD 8.36 ± 9.6 %, 19824 AAC GG NR (CP-OFDM, 100%, RB, 30 MHz, OPSK, 30 HHz) GG NR FR1 TDD 8.36 ± 9.6 %, 10825 AAC GG NR (CP-OFDM, 100%, RB, 60 MHz, QPSK, 30 HHz) GG NR FR1 TDD 8.42 ± 9.6 %, 10826 AAC GG NR (CP-OFDM, 100%, RB, 90 MHz, QPSK, 30 HHz) GG NR FR1 TDD 8.42 ± 9.6 %, 10828 AAC GG NR (CP-OFDM, 100%, RB, 90 MHz, QPSK, 30 HHz) GG NR FR1 TDD 8.40 ± 9.6 %, 10830 AAC GG NR (CP-OFDM, 1RB, 15 MHz, QPSK, 00 Htz) GG NR FR1 TDD 7.73 ± 9.6 %, 10831 AAC GG NR (CP-OFDM, 1RB, 25 MHz, QPSK, 60 Htz) GG NR FR1 TDD 7.70 ± 9.6 %, 10834 AAC GG NR (CP-OFDM, 1RB, 26 MHz, QPSK, 60 Htz) GG NR FR1 TDD 7.70 ± 9.6 %, 10835 AAC GG NR (CP-OFDM, 1RB, 50 MHz, QPSK, 60 Htz) GG NR FR1 TDD 7.70 ± 9.6 %,			· · · · · · · · · · · · · · · · · · ·	······································		· · · · · · · · · · · · · · · · · · ·
19822 AAC 56 NR (CP-OPDM, 100% RB, 30 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.41 ± 9.6 %, 19823 AAC 56 NR (CP-OPDM, 100% RB, 60 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.39 ± 9.6 %, 19825 AAC 56 NR (CP-OPDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.41 ± 9.6 %, 19826 AAC 56 NR (CP-OPDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.43 ± 9.6 %, 10828 AAC 56 NR (CP-OPDM, 100% RB, 80 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 8.43 ± 9.6 %, 10829 AAC 56 NR (CP-OPDM, 100% RB, 90 MHz, OPSK, 30 HHz) 56 NR FR1 TDD 7.63 ± 9.6 %, 10831 AAC 50 NR (CP-OPDM, 1 RB, 20 MHz, OPSK, 50 HHz) 56 NR FR1 TDD 7.74 ± 9.6 %, 10833 AAC 56 NR (CP-OPDM, 1 RB, 30 MHz, OPSK, 60 Htz) 56 NR FR1 TDD 7.75 ± 9.6 %, 10835 AAC 56 NR (CP-OPDM, 1 RB, 30 MHz, OPSK, 60 Htz) 56 NR FR1 TDD 7.76 ± 9.6 %, 10835 AAC 56 NR (CP-OPDM, 1 RB, 50 MHz, OPSK, 60 Htz) 56 NR FR1 TDD 7.66 ± 9.6 %,						
10822 AAC 5G NR (PC-PCPM, 100% RB, 50 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.36 ± 9.6 % 10825 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10826 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10827 AAC 5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10828 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 30 HHz) 5G NR FR1 TDD 7.63 ± 9.6 % 10830 AAC 5G NR (CP-OFDM, 18R, 10 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 18R, 20 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10832 AAC 5G NR (CP-OFDM, 18R, 20 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 18R, 20 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10834 AAC 5G NR (CP-OFDM, 18R, 50 MHz, OPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 %						
10824 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8.39 ± 9.6 % 10827 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10828 AAC 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 8.42 ± 9.6 % 10829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 HHz) 5G NR FR1 TDD 7.63 ± 9.6 % 10829 AAC 5G NR (CP-OFDM, 18R, 100 MHz, QPSK, 80 HHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 18R, 25 MHz, QPSK, 80 HHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10832 AAC 5G NR (CP-OFDM, 18R, 20 HHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10834 AAC 5G NR (CP-OFDM, 18R, 30 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 18R, 30 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 18R, 50 MHz, QPSK, 60 HHz) 5G NR FR1 TDD 7.70 ± 9.6 %	L		· · · · · · · · · · · · · · · · · · ·			
19825 AAC 5G NR F(R) 5G NR F(R) 100 8.41 1 9.65 19827 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 HHz) 5G NR F(R) TDD 8.42 ± 9.6 % 10828 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 HHz) 5G NR F(R) TDD 8.43 ± 9.6 % 10830 AAC 5G NR (CP-OFDM, 18R, 100 MHz, QPSK, 60 HHz) 5G NR F(R) TDD 8.40 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 18R, 10 MHz, QPSK, 60 HHz) 5G NR F(R) TDD 7.73 ± 9.6 % 10832 AAC 5G NR (CP-OFDM, 18R, 20 MHz, QPSK, 60 HHz) 5G NR F(R) TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 18R, 30 MHz, QPSK, 60 HHz) 5G NR F(R) TDD 7.70 ± 9.6 % 10834 AAC 5G NR (CP-OFDM, 18R, 50 MHz, QPSK, 60 HHz) 5G NR F(R) TDD 7.70 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 18R, 50 MHz, QPSK, 60 HHz) 5G NR F(R) TDD 7.70 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 18R, 50 MHz, QPSK, 60 HHz) 5G NR F(R) TDD 7.70 ± 9.6 %	}					
19827 AAC 5G NR FR1 TDD 8.42 ± 9.6 % 19828 AAC 5G NR FR1 TDD 8.43 ± 9.6 % 19829 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz) 5G NR FR1 TDD 8.43 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 18, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 18, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 18, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10834 AAC 5G NR (CP-OFDM, 18, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 18, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9.6 % 10838 AAC 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7	1	4			8.39	
19828 AAC 56 NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 KHz) 56 NR FR1 TDD 8.43 ± 9.6 % 19829 AAC 56 NR (CP-OFDM, 108, 10 MHz, OPSK, 30 KHz) 5G NR FR1 TDD 7.63 ± 9.6 % 19830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.73 ± 9.6 % 19832 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 KHz) 5G NR FR1 TDD 7.73 ± 9.6 % 19833 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 80 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 19834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 80 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 19835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, OPSK, 80 KHz) 5G NR FR1 TDD 7.66 ± 9.6 % 19836 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, OPSK, 80 KHz) 5G NR FR1 TDD 7.70 ± 9.6 % 19837 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, OPSK, 80 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 19844 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, OPSK, 80 KHz) 5G NR FR1 TDD 7.71 ± 9.6 % 1					8.41	
10829 AAC 56 NR (CP-OFDM, 10% RB, 100 MHz, QPSK, 80 KHz) 56 NR FR1 TDD 7.63 ± 9.6 % 10830 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 80 KHz) 5G NR RR1 TDD 7.73 ± 9.6 % 10831 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 7.76 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 7.66 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 7.67 ± 9.6 % 10839 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 7.67 ± 9.6 % 10843 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 5G NR RR1 TDD 8.41 ± 9.6 % 10844	10827		5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)		8.42	± 9.6 %
10830 AAC 56 NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 7.63 ± 9.6 % 10831 AAC 56 NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.73 ± 9.6 % 10832 AAC 56 NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.74 ± 9.6 % 10833 AAC 56 NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.70 ± 9.6 % 10834 AAC 56 NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.76 ± 9.6 % 10835 AAC 56 NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.68 ± 9.6 % 10837 AAC 56 NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.68 ± 9.6 % 10840 AAC 56 NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.71 ± 9.6 % 10841 AAC 56 NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 7.71 ± 9.6 % 10844 AAC 56 NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 KHz) 56 NR RR1 TDD 8.34 ± 9.6 % <td< td=""><td>10828</td><td>AAC</td><td>5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)</td><td>5G NR FR1 TDD</td><td>8.43</td><td>±9.6 %</td></td<>	10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6 %
10830 AAC 56 NR (CP-OFDM, 1FB, 16 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 7,63 ± 9,6 % 10832 AAC 56 NR (CP-OFDM, 1RB, 15 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 7,74 ± 9,6 % 10832 AAC 56 NR (CP-OFDM, 1RB, 20 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 7,74 ± 9,6 % 10834 AAC 56 NR (CP-OFDM, 1RB, 20 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 7,76 ± 9,6 % 10835 AAC 56 NR (CP-OFDM, 1RB, 30 MHz, OPSK, 80 kHz) 56 NR FR1 TDD 7,76 ± 9,6 % 10836 AAC 56 NR (CP-OFDM, 1RB, 50 MHz, OPSK, 80 kHz) 56 NR FR1 TDD 7,68 ± 9,6 % 10837 AAC 56 NR (CP-OFDM, 1RB, 60 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 7,67 ± 9,6 % 10840 AAC 56 NR (CP-OFDM, 1RB, 90 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 7,71 ± 9,6 % 10841 AAC 56 NR (CP-OFDM, 50% RB, 20 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 7,71 ± 9,6 % 10844 AAC 56 NR (CP-OFDM, 50% RB, 20 MHz, OPSK, 60 kHz) 56 NR FR1 TDD 8,34 ± 9,6 % 10844 </td <td>10829</td> <td>AAC</td> <td>5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD</td> <td>8.40</td> <td>±9.6 %</td>	10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10831 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.73 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % <t< td=""><td>10830</td><td>AAC</td><td>5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)</td><td>5G NR FR1 TDD</td><td>7.63</td><td></td></t<>	10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	
10832 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.74 ± 9.6 % 10833 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10836 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.70 ± 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.71 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 %	10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	*	
10833 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 60 KHz) 5G NR FR TDD 7.70 ± 9.6 % 10834 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 60 KHz) 5G NR FR TDD 7.75 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 KHz) 5G NR FR TDD 7.66 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 KHz) 5G NR FR TDD 7.76 ± 9.6 % 10839 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz) 5G NR FR TDD 7.77 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 KHz) 5G NR FR TDD 7.77 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 KHz) 5G NR FR TDD 8.41 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 KHz) 5G NR FR TDD 8.41 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR TDD 8.34 ± 9.6 % 10845 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz) 5G NR FR TDD 8.34 ± 9.6 % 108	10832	AAC		5G NR FR1 TDD	ŧ	
10834 AAC 5G NR (CP-OFDM, 1 RE, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.75 ± 9.6 % 10835 AAC 5G NR (CP-OFDM, 1 RE, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.76 ± 9.6 % 10837 AAC 5G NR (CP-OFDM, 1 RE, 30 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.68 ± 9.6 % 10839 AAC 5G NR (CP-OFDM, 1 RE, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9.6 % 10840 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.67 ± 9.6 % 10841 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 7.61 ± 9.6 % 10844 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10846 AAC 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.34 ± 9.6 % 10856 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.35 ± 9.6 %						
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10864 AAC 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.37 ± 9.6 % 10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65	10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10865 AAC 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR FR1 TDD 8.41 ± 9.6 % 10866 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR1 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10874 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.85	10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD		
10866 AAC 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ± 9.6 % 10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.39 <t< td=""><td>10865</td><td>AAC</td><td>5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)</td><td>5G NR FR1 TDD</td><td></td><td>1</td></t<>	10865	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD		1
10868 AAC 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.89 ± 9.6 % 10869 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10870 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.86 ± 9.6 % 10871 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 5.75 ± 9.6 % 10872 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.52 ± 9.6 % 10873 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 % 10874 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ± 9.6 % 10875 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ± 9.6 % 10876 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ± 9.6 % 10877 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.4	10866	AAC		5G NR FR1 TDD		
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10884 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ± 9.6 %						
10885 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ± 9.6 %						
	10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %

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10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	$\pm 9.6\%$
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	$\pm 9.6\%$
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD		
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890				8.40	± 9.6 %
	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	$\pm 9.6\%$
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	$\pm 9.6\%$
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.86	$\pm 9.6\%$
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 KHz)		······	
10920			5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922		5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,90	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.81	$\pm 9.6\%$
10945		5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 KHz)	5G NR FR1 FDD		$\pm 9.6\%$
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 KHz)		5.85	
			5G NR FR1 FDD	5.83	$\pm 9.6\%$
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	<u>± 9.6 %</u>
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)			± 9.6 %

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10054	0.0.0				
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	$\pm 9.6\%$
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	$\pm 9.6\%$
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	$\pm 9.6\%$
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	$\pm 9.6\%$
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	$\pm 9.6\%$

^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

Client

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

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PC Test

Certificate No: EX3-7410_Jul19

Accreditation No.: SCS 0108

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:7410
Calibration procedure(s)	QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes
Calibration date:	July 16, 2019
This calibration certificate doc The measurements and the ur	uments the traceability to national standards, which realize the physical units of measurements (SI). Incertainties 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:	Jeton Kastrati	Laboratory Technician	$\rightarrow - lb$
		ζ	-F-G-
Approved by:	Katja Pokovic	Technical Manager	V
			At 45
			Issued: July 16, 2019

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

Calibration Laboratory of

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Accreditation No.: SCS 0108

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Glossary:

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

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	0.41	0.47	0.43	± 10.1 %
DCP (mV) ^B	95.0	98.5	98.3	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	C	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	143.3	± 3.3 %	± 4.7 %
		Y	0.00	0.00	1.00		136.3	1	
		Z	0.00	0.00	1.00		146.3	1	
10352-	Pulse Waveform (200Hz, 10%)	X	7.20	77.00	15.83	10.00	60.0	± 3.7 %	± 9,6 %
AAA		Y	15.00	89.41	20.45		60.0	1	
		Z	15.00	86.58	19,43		60.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	85.70	17.13	6.99	80.0	± 2.7 %	± 9.6 %
AAA		Y	15.00	94.26	21.82		80.0	1	
		Z	15.00	87.46	18.36		80.0	1	
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	84.98	15.02	3.98	95.0	± 1.4 %	± 9.6 %
AAA		Y	15.00	105.63	25.93	1	95.0	1	
		Z	15.00	86.91	16.30		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.58	63.48	6.70	2.22	120.0	± 1.4 %	±9.6 %
AAA		Y	15.00	128.91	35.05		120.0		
		Z	1.67	69.27	9.07		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.58	60.52	7.75	0.00	150.0	± 2.7 %	±9.6 %
AAA		Y	1.10	67.31	12.60		150.0		
		Z	0.65	60.71	8.42		150,0		
10388-	QPSK Waveform, 10 MHz	X	2.25	68.70	16.13	0.00	150.0	± 1.1 %	± 9.6 %
AAA		Y	2.69	71.62	17.77		150.0		
		Z	2.10	66.95	14.95		150.0		
10396-	64-QAM Waveform, 100 kHz	X	2.85	69.56	18.52	3.01	150.0	±0.7 %	± 9.6 %
AAA		Y	3.27	72.43	19.82		150.0		
		Z	2.96	69.30	18.13		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.51	67.28	15.99	0.00	150.0	± 2.2 %	± 9.6 %
AAA		Y	3.73	68.43	16.68		150.0		
		Z	3.45	66.65	15.48		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.86	65.74	15.76	0.00	150.0	± 4.2 %	± 9.6 %
AAA		Y	5.02	66.29	16.07		150.0		
		Z	4.91	65.47	15.50		150.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6). ^B Numerical linearization parameter: uncertainty not required. ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Sensor Model Parameters

	C1 fF	C2 fF	a V ⁻¹	T1 ms.V ⁻²	T2 ms.V⁻¹	T3 ms	T4 V ⁻²	T5 V⁻1	Т6
Х	44.0	341.99	38.28	7.82	0.67	5.04	0.00	0.55	1.01
Y	48.3	362.63	36.17	12.06	0.12	5.10	0.87	0.38	1.01
Z	52.1	408.62	38.63	10.30	0.68	5.08	0.00	0.64	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	0.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

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 \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.

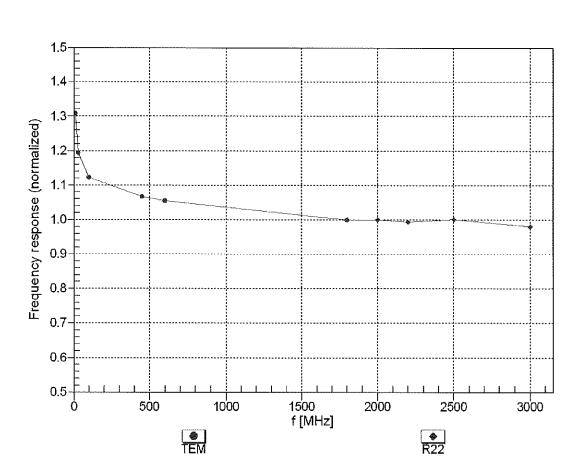
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.01	10.01	10.01	0.48	0.84	± 12.0 %
835	55.2	0.97	9.79	9.79	9.79	0.48	0.80	± 12.0 %
1750	53.4	1.49	8.08	8.08	8.08	0.38	0.86	± 12.0 %
1900	53.3	1.52	7.78	7.78	7.78	0.42	0.86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

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 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.

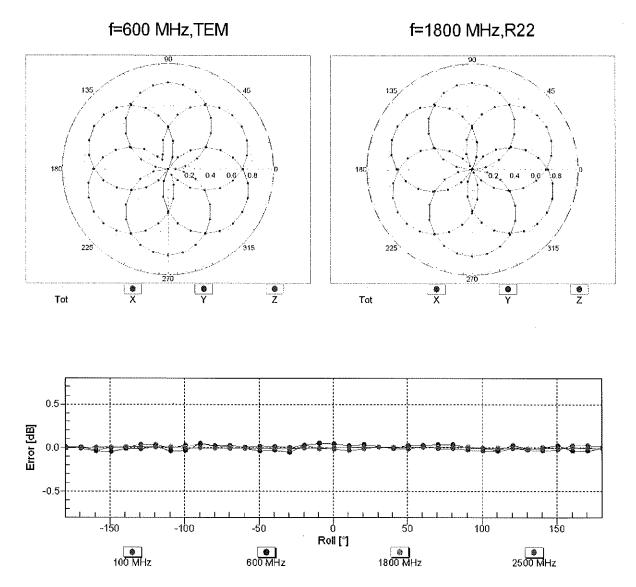
 6 Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than \pm 1% for frequencies below 3 GHz and below \pm 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from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



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

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

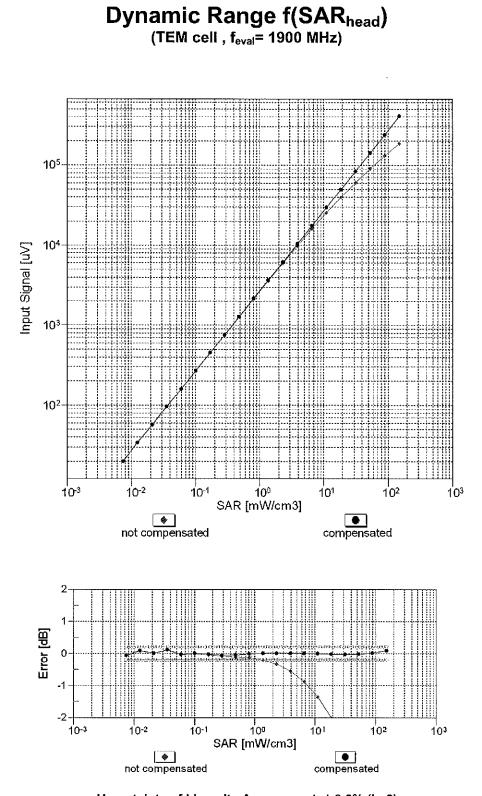
July 16, 2019



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

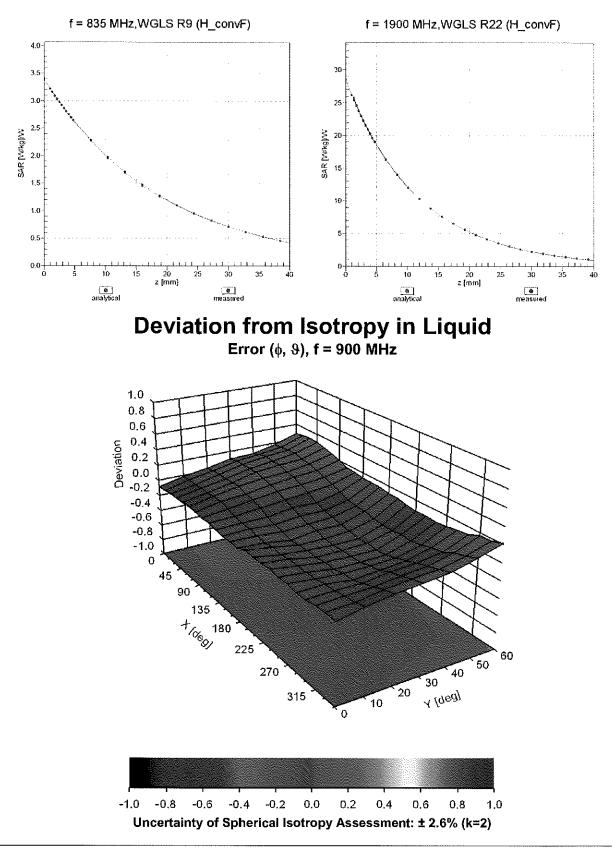
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

Certificate No: EX3-7410_Jul19



Conversion Factor Assessment

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR	Unc
		_		(dB)	(k=2)
0		CW	CW	0.00	±4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	±9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±96%
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3,98	±9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10102	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
1 10104					
10104 10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %

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10110 CAG LTE-FDD 5.7.6 ±9.6 % 10111 CAG LTE-FDD 6.7.4 ±9.6 % 10112 CAG LTE-FDD 6.7.4 ±9.6 % 10112 CAG LTE-FDD 6.7.4 ±9.6 % 10112 CAG LTE-FDD 6.7.2 ±9.6 % 10114 CAC LEEE 602.11n (HT Greenfield, 318 Mbps, BP-SK) WLAN 8.4.6 ±9.6 % 10116 CAC LEEE 602.11n (HT Greenfield, 61 Mbps, 16-GAM) WLAN 8.4.6 ±9.6 % 10116 CAC LEEE 602.11n (HT Moxed, 61 Mbps, 16-GAM) WLAN 8.15 ±9.6 % 10116 CAC LEEE 602.11n (HT Moxed, 61 Mbps, 16-GAM) WLAN 8.15 ±9.6 % 10116 CAC LEEE 602.11n (HT Moxed, 61 Mbps, 16-GAM) UTE-FDD 6.63 ±9.6 % 10116 CAC LEEE 602.11n (HT Moxed, 61 Mbps, 16-GAM) LTE-FDD 6.73 ±9.6 % 10140 CAE LTE-FDD (SC-FDM, 100% RB, 16 MHz, 46-GAM) LTE-FDD 6.73 ±9.6 % 101	40100				-	
10111 CAG LTE-FDD 6.49 19.6 % 10112 CAG LTE-FDD (SC-FDMA, 100%, RB, 10 MHz, 64-OAM) LTE-FDD 6.59 19.6 % 10113 CAG LTE-FDD (SC-FDMA, 100%, RB, 10 MHz, 64-OAM) LTE-FDD 6.50 19.6 % 10114 CAG LTE-FDD (SC-FDMA, 100%, RB, 10 MHz, 64-OAM) WLAN 8.46 19.6 % 10115 CAG LEEE 602.11n (HT Greenfield, 31 Mbps, 64-OAM) WLAN 8.46 19.6 % 10117 CAG LEEE 602.11n (HT Mixed, 135 Mbps, 64-OAM) WLAN 8.69 19.6 % 10118 CAG LEEE 602.11n (HT Mixed, 135 Mbps, 64-OAM) WLAN 8.69 19.6 % 10140 CAE LTE-FDD (SC-FDMA, 100%, RB, 15 MHz, 16-OAM) UTE-FDD 6.41 19.6 % 10141 CAE LTE-FDD (SC-FDMA, 100%, RB, 13 MHz, 16-OAM) LTE-FDD 5.73 19.6 % 10142 CAE LTE-FDD (SC-FDMA, 100%, RB, 14 MHz, 16-OAM) LTE-FDD 6.74 19.6 % 10142 CAE LTE-FDD (SC-FDMA, 100%, RB, 14 MHz, 16-OAM) LTE-FDD 6.72	10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
19112 CAG LTE-FDD 6.50 ±9.6 % 19113 CAG LTE-FDD 6.52 ±9.6 % 19114 CAG LEEE B02.1 fn (HT Greenfield, 13.6 Mbps, BPSK) WLAN 8.16 ±9.6 % 19115 CAG LEEE B02.1 fn (HT Greenfield, 13.6 Mbps, BP-CAM) WLAN 8.16 ±9.6 % 19116 CAC LEEE B02.1 fn (HT Meed, 81 Mbps, 16-CAM) WLAN 8.16 ±9.6 % 19116 CAC LEEE B02.1 fn (HT Meed, 81 Mbps, 16-CAM) WLAN 8.13 ±9.6 % 19116 CAC LEEE B02.1 fn (HT Meed, 81 Mbps, 16-CAM) WLAN 8.13 ±9.6 % 19116 CAC LEEE B02.1 fn (HT Meed, 81 Mbp, 16-CAM) WLAN 8.13 ±9.6 % 19147 CAE LTE-FDD (5C-FDMA, 100% RB, 15 MHz, 16-CAM) LTE-FDD 6.53 ±9.6 % 19147 CAE LTE-FDD (5C-FDMA, 100% RB, 14 MHz, 16-CAM) LTE-FDD 6.57 ±9.6 % 19144 CAE LTE-FDD (5C-FDMA, 100% RB, 14 MHz, 16-CAM) LTE-FDD 6.62 ±9.6 % 19144 CAE			LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)		5.75	± 9.6 %
10113 CAG LTE-FDD 672 1 = 6 + 70 10114 CAC LEEE 602.11n (HT Greenfeld, 13 Mbps, 16-CAM) WLAN 8.16 9.8 %, 10115 CAC LEEE 602.11n (HT Greenfeld, 13 Mbps, 16-CAM) WLAN 8.16 9.8 %, 10116 CAC LEEE 602.11n (HT Mseed, 135 Mbps, 18-CAM) WLAN 8.16 9.8 %, 10117 CAC LEEE 602.11n (HT Mseed, 135 Mbps, 18-CAM) WLAN 8.17 9.8 %, 10118 CAC LEEE 602.11n (HT Mseed, 135 Mbps, 18-CAM) WLAN 8.16 9.8 %, 10140 CAC LEEE 602.11n (HT Mseed, 135 Mbps, 18-CAM) WLAN 8.17 9.8 %, 10141 CAC LEEF 602.57DM, 100%, RB, 15 MHz, 16-CAM) LTE-FDD 6.53 19.6 %, 10142 CAE LTE-FDD (SC-FDM, 100%, RB, 15 MHz, 16-CAM) LTE-FDD 6.53 19.6 %, 10142 CAE LTE-FDD (SC-FDM, 100%, RB, 14 MHz, 16-CAM) LTE-FDD 6.36 19.6 %, 10142 CAE LTE-FDD (SC-FDM, 400%, RB, 14 MHz, 16-CAM) LTE-FDD 6.36 19.6 %		· • • • • • • • • • • • • • • • • • • •		LTE-FDD	6.44	± 9.6 %
10114 CAC EEEE 802.11n (HT Greenfield, 31 Mpps, BPSK) WLAN 8.40 19.85% 10115 CAC EEEE 802.11n (HT Greenfield, 31 Mpps, BC-OAM) WLAN 8.40 19.85% 10116 CAC EEEE 802.11n (HT Greenfield, 135 Mbps, BC-OAM) WLAN 8.07 2.96.5% 10116 CAC EEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM) WLAN 8.13 2.96.5% 10116 CAC EEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM) WLAN 8.13 2.96.5% 10140 CAC EEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM) UTE+FDD 6.49 2.96.5% 10141 CAE LTE+FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM) UTE+FDD 6.57 3.96.5% 10142 CAE LTE+FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM) LTE+FDD 6.57 3.96.5% 10144 CAE LTE+FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM) LTE+FDD 6.65 3.96.5% 10145 CAF LTE+FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM) LTE+FDD (SC-FDMA, 50% B.76 4.96.5% 10146 CAF LTE+FDD (SC-FDMA, 50% RB, 20 MHz,			LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)		6.59	± 9.6 %
10116 CAC LEEE 802.11n (HT Greenfield, 35 Mbps, 64-GAM) WLAN 8.14 2.88 % 10117 CAC LEEE 802.11n (HT Wared, 135 Mbps, 82-GAM) WLAN 8.13 2.86 % 10118 CAC LEEE 802.11n (HT Wared, 135 Mbps, 82-GAM) WLAN 8.13 2.86 % 10119 CAC LEEE 802.11n (HT Wared, 135 Mbps, 82-GAM) WLAN 8.13 2.86 % 10140 CAC LEEE 802.11n (HT Wared, 136 Mbps, 82-GAM) WLAN 8.13 2.86 % 10141 CAC LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-GAM) UTE-FDD 6.33 2.86 % 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-GAM) UTE-FDD 6.36 4.98 % 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 0FSK) LTE-FDD 6.76 4.98 % 4.98 % 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 12 MHz, 16-GAM) LTE-FDD 6.71 3.98 % 4.98 % 10145 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-GAM) LTE-FDD 6.72 4.86 % 5.96 % 5.96 % 5.96 % 5			LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10110 CAC LEE 802.11n (HT Greenfield, 135 Mbps, 84-CAM) WI AN 8.15 18.8 % 10117 CAC LEEE 802.11n (HT Mixed, 81 Mbps, 46-CAM) WI AN 8.59 13.8 % 10118 CAC LEEE 802.11n (HT Mixed, 81 Mbps, 46-CAM) WI AN 8.59 13.8 % 10140 CAE LTE-FDD (SC-FDMA, 100% FB; 15 MHz, 18-CAM) LTE-FDD (6.49 8.3 % 10141 CAE LTE-FDD (SC-FDMA, 100% FB; 15 MHz, 18-CAM) LTE-FDD (6.53 9.8 % 10142 CAE LTE-FDD (SC-FDMA, 100% FB; 14 MHz, 18-CAM) LTE-FDD (6.57 9.8 % 10144 CAE LTE-FDD (SC-FDMA, 100% FB; 14 MHz, 18-CAM) LTE-FDD (6.57 9.8 % 10145 CAF LTE-FDD (SC-FDMA, 100% FB; 14 MHz, 18-CAM) LTE-FDD (6.67 9.8 % 10147 CAF LTE-FDD (SC-FDMA, 100% FB; 14 MHz, 18-CAM) LTE-FDD (6.67 9.8 % 10147 CAF LTE-FDD (SC-FDMA, 100% FB; 14 MHz, 18-CAM) LTE-FDD (6.67 9.8 % 10147 CAF LTE-FDD (SC-FDMA, 50% FB; 20 MHz, 18-CAM) LTE-FDD (6.67 9.8 % 10160 CAE				WLAN	8.10	± 9.6 %
10112 CAC IEEE 802.11n (HT Mixed, 13.5 MBps, 8F-SA) WUAN 8.007 2.80 SK 10118 CAC IEEE 802.11n (HT Mixed, 136 Mbps, 64-OAM) WUAN 8.103 8.90 SK 10140 CAC IEEE 802.11n (HT Mixed, 136 Mbps, 64-OAM) ULAN 8.13 SK 10140 CAE ITE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM) ITE-FDD 6.53 9.6 % 10141 CAE ITE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM) ITE-FDD 6.53 9.6 % 10142 CAE ITE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM) ITE-FDD 6.53 9.6 % 10144 CAE ITE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM) ITE-FDD 6.65 9.6 % 10145 CAF ITE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-OAM) ITE-FDD 6.62 9.6 % 10147 CAF ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM) ITE-FDD 6.62 9.6 % 10147 CAF ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM) ITE-FDD 6.62 9.6 % 10147 CAF ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-OAM) ITE-FDD 6.62 9.6 % 10147 CAF ITE-FDD (SC-FDMA, 50% RB			IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10118 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-CAM) WLAN 8.59 ± 9.6 % 10119 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-CAM) LTE-FDD 6.40 ± 9.6 % 10141 CAE LTE-FDD (53C-FDM, 109% RB, 15 MHz, 16-CAM) LTE-FDD 6.53 ± 9.6 % 10142 CAE LTE-FDD (53C-FDM, 109% RB, 3 MHz, 26-CAM) LTE-FDD 6.53 ± 9.6 % 10143 CAE LTE-FDD (53C-FDM, 109% RB, 3 MHz, 26-CAM) LTE-FDD 6.65 ± 9.6 % 10144 CAE LTE-FDD (53C-FDM, 109% RB, 14 MHz, 0FSA) LTE-FDD 6.66 ± 9.6 % 10146 CAF LTE-FDD (53C-FDM, 109% RB, 14 MHz, 0FSA) LTE-FDD 6.62 ± 9.6 % 10147 CAF LTE-FDD (53C-FDM, 50% RB, 20 MHz, 0FAAM) LTE-FDD 6.62 ± 9.6 % 10150 CAG LTE-FDD (53C-FDM, 50% RB, 20 MHz, 0FAAM) LTE-FDD 6.62 ± 9.6 % 10151 CAG LTE-FDD (SC-FDM, 50% RB, 20 MHz, 0FAAM) LTE-FDD 9.62 ± 9.6 %	a second s		IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10118 CAC IEEE 802.11n (HT Mixed, 313 Mbps, 46-CAM) WLAN 8.59 ± 9.6 % 10119 CAC IEEE 802.11n (HT Mixed, 313 Mbps, 46-CAM) LTE-FDD 6.49 ± 9.6 % 10141 CAE LTE-FDD (5.57 ± 9.6 % 10142 CAE LTE-FDD (5.57 ± 9.6 % 10142 CAE LTE-FDD (5.57 ± 9.6 % 10142 CAE LTE-FDD (5.57 ± 9.6 % 10144 CAE LTE-FDD (5.57 ± 9.6 % 10144 CAE LTE-FDD (5.57 ± 9.6 % 10146 CAF LTE-FDD (5.67 MA, 50% RB, 20 MHz, 0°SK) LTE-FDD 6.41 ± 9.6 % 10147 CAF LTE-FDD (5.57 MA, 50% RB, 20 MHz, 0°SK) LTE-FDD 6.42 ± 9.6 % 10149 CAE LTE-FDD (5.67 MA, 50% RB, 20 MHz, 0°SK) LTE-FDD 6.42 ± 9.6 % 10147 CAE LTE-FDD (5.67 MA, 50% RB, 20 MHz, 0°SK) LTE-FDD 6.42 ± 9.6 % <tr< td=""><td>and the second s</td><td></td><td>IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)</td><td>WLAN</td><td>8.07</td><td></td></tr<>	and the second s		IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	
10119 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) WLAN 8.13 ± 9.6 %. 10140 CAE LTE-FDD (6.57) ± 9.6 %. 10141 CAE LTE-FDD (6.53) ± 9.6 %. 10142 CAE LTE-FDD (6.53) ± 9.6 %. 10143 CAE LTE-FDD (6.53) ± 9.6 %. 10144 CAE LTE-FDD (6.56) ± 9.6 %. 10144 CAE LTE-FDD (6.56) ± 9.6 %. 10146 CAF LTE-FDD (6.57) ± 9.6 %. 10146 CAF LTE-FDD (6.52) ± 9.6 %. 10147 CAF LTE-FDD (6.52) ± 9.6 %. 10149 CAE LTE-FDD (6.52) ± 9.6 %. 10141 CAE LTE-FDD (6.22) ± 9.6 %. 10151 CAG LTE-FDD (6.22) ± 9.6 %. 10145 CAE LTE-FDD (6.72) ± 9.6 %. 10152 CAG		CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)			
10140 CAE LTE-FDD 66.49 ± 9 6 % 10141 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 65.73 ± 9 6 % 10144 CAE LTE-FDD 65.75 ± 9 6 % 10144 CAE LTE-FDD 65.75 ± 9 6 % 10146 CAF LTE-FDD 65.75 ± 9 6 % 10146 CAF LTE-FDD 10 7 % R8.14 MHz, 64-QAM) LTE-FDD 6.62 ± 9 6 % 10147 CAE LTE-FDD 10 7 % R8.14 MHz, 64-QAM) LTE-FDD 6.62 ± 9 6 % 10150 CAG LTE-FDD 10 7 % R8.20 MHz, 64-QAM) LTE-FDD 5.75 ± 9 6 % 10151 CAG LTE-FDD 10 7 % R8.20 MHz, 16-QAM) LTE-FDD 5.75 ± 9 6 % 10152 CAG LTE-FDD <td></td> <td>CAC</td> <td>IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)</td> <td></td> <td></td> <td></td>		CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)			
10141 CAE LTE-FDD 65.3 = 59.6% 10142 CAE LTE-FDD 65.3 = 59.6% 10143 CAE LTE-FDD 65.3 = 59.6% 10144 CAE LTE-FDD 65.3 # 96.% 10144 CAE LTE-FDD 65.65 # 96.% 10144 CAE LTE-FDD 65.76 ± 96.6% 10145 CAF LTE-FDD 65.76 ± 96.6% 10146 CAF LTE-FDD 65.72 ± 9.6 % 10147 CAF LTE-FDD (65.79M.A. 100% RB.1 4 MHz, 16-CAM) LTE-FDD 6.42 ± 9.6 % 10149 CAE LTE-FDD (65.79M.A. 50% RB.2 0 MHz, 16-CAM) LTE-FDD 6.42 ± 9.6 % 10151 CAG LTE-FDD (65.79M.A. 50% RB.2 0 MHz, 16-CAM) LTE-FDD 5.72 ± 9.6 % 10152 CAG LTE-FDD (65.79M.A. 50% RB.2 0 MHz, 16-CAM) LTE-FDD 5.73 ± 9.6 % 10156 CAG LTE-FDD (65.79M.A. 50% RB.2 0 M	10140	CAE				
10143 CAE LITE-FDD 5.73 # 9.9 % 10143 CAE LITE-FDD 65.73 # 9.9 % 10144 CAE LITE-FDD 65.65 # 9.6 % 10145 CAF LITE-FDD 65.76 # 9.6 % 10146 CAF LITE-FDD 65.76 # 9.6 % 10146 CAF LITE-FDD 65.77 # 9.6 % 10147 CAF LITE-FDD 65.72 # 9.6 % 10149 CAE LITE-FDD 65.72 # 9.6 % 10149 CAE LITE-FDD (65.70 M, 50% RB, 20 MHz, 04-CAM) LITE-FDD 6.62 # 9.6 % 10151 CAG LITE-FDD (65.70 M, 50% RB, 20 MHz, 16-CAM) LITE-FDD 9.02 # 9.6 % 10152 CAG LITE-FDD (65.70 M, 50% RB, 20 MHz, 16-CAM) LITE-FDD 10.05 & 9.6 % 10153 CAG LITE-FDD (65.70 M, 50% RB, 10 MHz, 20 FSK) LITE-FDD 5.79 & # 9.6 % 10155 CAG LITE-FDD (65.70 M, 50% RB, 5 MHz, 20 FSK)	10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)		· · · · · · · · · · · · · · · · · · ·	
10143 CAE LTE-FDD (56, 27) 10144 CAE LTE-FDD (56, 27) (57)	10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)			
10144 CAE LTE-FDD 6.65 9.9 % 10145 CAF LTE-FDD 65.76 ± 9.6 % 10146 CAF LTE-FDD 65.77 ± 9.6 % 10146 CAF LTE-FDD 65.77 ± 9.6 % 10147 CAF LTE-FDD 65.72 ± 9.6 % 10149 CAE LTE-FDD 65.72 ± 9.6 % 10160 CAE LTE-FDD (65.70 MA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 ± 9.6 % 10151 CAG LTE-TDD (9.27 FDMA, 50% RB, 20 MHz, 40-QAM) LTE-TDD 9.92 ± 9.6 % 10152 CAG LTE-TDD (9.5C-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.75 ± 9.6 % 10153 CAG LTE-FDD (5C-FDMA, 50% RB, 50 MHz, QPSK) LTE-FDD 6.76 ± 9.6 % 10155 CAG LTE-FDD (5C-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.76 ± 9.6 % 10157 CAG LTE-FDD (5C-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.49 ± 9.6 %<	10143					
10146 CAF LTE-FDD (5.76 ±9.6 % 10146 CAF LTE-FDD (5.77 ±9.6 % 10147 CAF LTE-FDD (5.77 ±9.6 % 10149 CAF LTE-FDD (5.77 ±9.6 % 10149 CAF LTE-FDD (5.77 ±9.6 % 10151 CAG LTE-TDD (5.77 ±9.6 % 10152 CAG LTE-TDD (5.77 ±9.6 % 10153 CAG LTE-TDD (5.77 ±9.6 % 10154 CAG LTE-TDD (5.77 ±9.6 % 10155 CAG LTE-TDD (5.77 ±9.6 % 10156 CAG LTE-FDD (5.77 ±9.6 % 10156 CAG LTE-FDD (5.77 ±9.6 % 10157 CAG LTE-FDD (5.77 ±9.6 % 10157 CAG LTE-FDD (5.78 ±9.6 % 10156 CAG LTE-FDD (5.78 ±9.6 % <t< td=""><td>10144</td><td></td><td>LTE-FDD (SC-FDMA, 100% BB, 3 MHz, 64-OAM)</td><td></td><td></td><td></td></t<>	10144		LTE-FDD (SC-FDMA, 100% BB, 3 MHz, 64-OAM)			
10146 CAF LTE-FDD 65.7 12.8 7 10147 CAF LTE-FDD 65.7 12.8 6% 10149 CAE LTE-FDD 65.7 19.6 6% 11.6 6% 19.6 6% 10.6 19.6 6% 11.6 6% 19.6 6% 11.6 6% 19.6 6% 11.6 6% 19.6 6% 11.6 6% 11.6 6% 11.6 6% 11.6 6% 11.6 6% 11.6 6% 11.6 6% 11.6 6% 11.6 6% 11.6	10145		LTE-EDD (SC-EDMA 100% BB 14 MHz OPSK)			
10147 CAF LTE-FDD SC-FDMA, 100% RB, 14 MHz, 16-GAM) LTE-FDD 6.72 ±9.6 % 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-GAM) LTE-FDD 6.42 ±9.6 % 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-GAM) LTE-FDD 6.60 ±9.6 % 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-GAM) LTE-FDD 9.28 ±9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-GAM) LTE-FDD 10.05 ±9.6 % 10154 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-GAM) LTE-FDD 5.76 ±9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 0PSK) LTE-FDD 5.79 ±9.6 % 10157 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, 0-GAM) LTE-FDD 6.42 ±9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 0-GAM) LTE-FDD 6.43 ±9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% R						
10149 CAE LTE-FDD (SC-FDMA, 50%, RB, 20 MHz, 16-QAM) LTE-FDD 6.42 19.6 % 10150 CAE LTE-FDD (SC-FDMA, 50%, RB, 20 MHz, 04-QAM) LTE-FDD 6.60 ±9.6 % 10151 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, 16-QAM) LTE-TDD 9.22 ±9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, 16-QAM) LTE-TDD 9.92 ±9.6 % 10154 CAG LTE-TDD (SC-FDMA, 50%, RB, 10 MHz, 04-QN) LTE-FDD 6.75 ±9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 04-QAM) LTE-FDD 6.43 ±9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 04-QAM) LTE-FDD 6.62 ±9.6 % 10159 CAG LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 04-QAM) LTE-FDD 6.56 ±9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 04-QAM) LTE-FDD 6.56 ±9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50%, RB, 16 MHz, 04-QAM) LTE-FD						
10150 CAE LTE-FDD SC-FDMA, 50% RB, 20 MHz, GPSK) LTE-FDD 6.66 ± 9.6 % 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GCAM) LTE-TDD 9.28 ± 9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GCAM) LTE-TDD 10.05 ± 9.6 % 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, G-GAM) LTE-TDD 10.05 ± 9.6 % 10154 CAG LTE-TDD (SC-FDMA, 50% RB, 50 MHz, G+GAM) LTE-FDD 5.75 ± 9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, G+GAM) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, G+GAM) LTE-FDD 6.42 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, G+GAM) LTE-FDD 6.62 ± 9.6 % 10169 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, G+GAM) LTE-FDD 6.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 10 MHz, G+GAM) LTE-FDD 6.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz,			TE-EDD (SC-EDMA, 100% RB, 20 MHz, 16 OAM)			
10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 60-AM) LTE-TDD 9.28 ±0.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-TDD 10.06 ±9.6 % 10154 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, QPSK) LTE-FDD 6.43 ±9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.49 ±9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.62 ±9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.62 ±9.6 % 10160 CAE 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 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 0PSK) LTE-FDD 6.48 ±9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 0PSK) LTE-FDD 6.48 ±9.6 % 10162 CAE			TE-EDD (SC-EDMA 50% PP 20 MUL- CA CAMA	1 · · · · · · · · · · · · · · · · · · ·		
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, 10 MHz, Q-PSK) LTE-FDD 5.7 ± 9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, Q-PSK) LTE-FDD 5.7 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, Q-PSK) LTE-FDD 5.7 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, Q-PSK) LTE-FDD 5.6 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, Q-PSK) LTE-FDD 6.62 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, Q-GAM) LTE-FDD 6.62 ± 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 6.48 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.48 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 17 KB, 20 MHz,			TE-TOD (00-10WA, 00% RD, 20 WH- 0000)			
10153 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, 64-0AM) LTE-TDD 10.06 ±9.6 % 10154 CAG LTE-FDD (SC-FDMA, 50%, RB, 10 MHz, QPSK) LTE-FDD 6.75 ±9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50%, RB, 10 MHz, QPSK) LTE-FDD 6.43 ±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, 64-QAM) LTE-FDD 6.62 ±9.6 % 10160 CAG LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 64-QAM) 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 6.43 ±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, 14 MHz, 0FSK) LTE-FDD 6.48 ±9.6 % 10162 CAF LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 0FSK) <td></td> <td></td> <td>TETETED (SC EDMA 50% BB 20 MUL 40 CAME</td> <td></td> <td></td> <td></td>			TETETED (SC EDMA 50% BB 20 MUL 40 CAME			
10154 CAG LTE-FDD SC:FDMA, 50%, RB, 10 MHz, GPSK) 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, 15 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 64-QAM) LTE-FDD 6.64 ± 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 6.44 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, GP-QAM) LTE-FDD 6.21 ± 9.6 % 10167 CAF LTE-FDD (SC-FDMA, 178, 20 MHz, 64-QAM) LTE-FDD 6.73 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50%,			LTE TOD (SO FDMA 50% RB, 20 MHZ, 16-QAM)			
10155 CAG LTE-FDD Sci 200, NHz, 16-QAM) LTE-FDD 6.43 ± 8.6 % 10156 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, QPSK) LTE-FDD 5.79 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 16-QAM) LTE-FDD 6.62 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, 16-QAM) LTE-FDD 6.62 ± 9.6 % 10159 CAG LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 16-QAM) LTE-FDD 6.62 ± 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 6.44 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 16-QAM) LTE-FDD 6.74 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 16-QAM) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 17 MB, 20 MHz, 16-QAM) LTE-FDD 6.73 ± 9.6 % 10171 CAG LTE-FDD (SC-FDMA, 17 RB, 20 MHz,						
10156 CAG LTE-FDD SC.FDMA, 50%, RB, 5 MHz, QPSK) LTE-FDD 5.79 ± 0.6 % 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, 5 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, QCAM) LTE-FDD 5.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, QCAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, QCSK) LTE-FDD 6.43 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, QCSK) LTE-FDD 6.42 ± 9.6 % 10167 CAE LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, QCSK) LTE-FDD 6.79 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 10%, 20% RB, 14 MHz, QCSK) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 10%, 20 MHz, QCSK) LTE-FDD 6.73 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 17 B, 20 MHz,			LIE-FUD (SU-FUMA, SU% KB, 10 MHZ, QPSK)		and the second se	
10157 CAG LTE-FDD (SC-FDMA, 50% RB, 6 MHz, 16-QAM) LTE-FDD 6.49 13.06 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-FDD 6.62 19.6 % 10169 CAC LTE-FDD (SC-FDMA, 50% RB, 55 MHz, 26-QAM) LTE-FDD 6.56 19.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 26-QAM) LTE-FDD 6.58 19.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.58 19.6 % 10163 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 46-QAM) LTE-FDD 6.46 19.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM) LTE-FDD 6.41 19.6 % 10169 CAE LTE-FDD (SC-FDMA, 10%, 20 MHz, 16-QAM) LTE-FDD 5.73 19.6 % 10170 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, 64-QAM) LTE-FDD 6.52 19.6 % 10171 AAE LTE-FDD (SC-FDMA, 178, 20 MHz, 64-QAM) LTE-FDD 6.52 19.6 % 10172 CAG LTE-FDD (SC-FDMA, 178, 20 MHz, 64-QAM) LT			LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)			
10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.56 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 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, 0FSK) LTE-FDD 6.43 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 0FSK) LTE-FDD 6.79 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 18, 20 MHz, 16-QAM) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10171 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 9.21 ± 9.6 % 10176 CAG			LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)		5.79	
10159 CAG LTE-FDD 6.56 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.21 ± 9.6 % 10169 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.79 ± 9.6 % 10169 CAE LTE-FDD (SC-FDMA, 182, 20 MHz, 16-QAM) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.49 ± 9.6 % 10171 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 9.48 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 9.48 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 1 RB, 10 M			LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)		6.49	
10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 04-QAM) LTE-FDD 6.54 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 04-QAM) LTE-FDD 6.74 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 18B, 20 MHz, 04-QAM) LTE-FDD 6.71 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM) LTE-FDD 6.52 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM) LTE-FDD 9.21 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-FDD 9.21 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM) LTE-FDD 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM) LTE-FDD			LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)		6.62	± 9.6 %
10161 CAE LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD (5.67) ± 9.6 % 10167 CAF LTE-FDD (5.67) ± 9.6 % 10168 CAF LTE-FDD (5.71) ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, 0PSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, 04-QAM) LTE-FDD 6.49 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 178, 20 MHz, 16-QAM) LTE-FDD 9.44 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 178, 20 MHz, 16-QAM) LTE-FDD 9.44 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 178, 20 MHz, 16-QAM) LTE-FDD 5.72 ± 9.6 % 10175 CAG LTE-FDD (SC-FDM			LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)		6.56	±9.6 %
10162 CAE LTE-FDD 6.53 ± 9.6 % 10166 CAF LTE-FDD 6.54 ± 9.6 % 10166 CAF LTE-FDD (5.46 ± 9.6 % 10167 CAF LTE-FDD (5.21 ± 9.6 % 10168 CAF LTE-FDD (5.21 ± 9.6 % 10168 CAF LTE-FDD (5.73 ± 9.6 % 10169 CAE LTE-FDD (5.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-FDD 6.52 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-FDD 9.48 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-FDD 9.48 ± 9.6 % 10174 CAG LTE-FDD (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				LTE-FDD	5.82	
10162 CAE LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD 6.46 ± 9.6 % 10167 CAF LTE-FDD 6.46 ± 9.6 % 10168 CAF LTE-FDD 6.21 ± 9.6 % 10169 CAF LTE-FDD 6.79 ± 9.6 % 10169 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-FDD 6.44 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-TDD 9.21 ± 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, G4-QAM) LTE-TDD 10.25 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-FDD 5.72 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, GPSK) LTE-FDD 5.72 ± 9.6 % 10176				LTE-FDD	6.43	± 9.6 %
10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 0PSK) LTE-FDD 6.46 ± 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, 50% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.48 ± 9.6 % 10172 CAG LTE-FDD (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) LTE-FDD 9.48 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM) LTE-FDD 9.48 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 04-QAM) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM) LTE-FDD 5.72 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM) LTE-FDD 5.73 ± 9.6 % 10178 CAG			LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	
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 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 0PSK) 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-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 9.21 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-FDD 9.21 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-QAM) LTE-FDD 9.22 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) 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, 04-QAM) LTE-FDD 6.52 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE			LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD		
10168 CAF LTE-FDD (SC-FDMA, 10% 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 6.52 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.49 ± 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, 64-QAM) LTE-TDD 9.48 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 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 % 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, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAE LT		CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD		
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-TDD 9.21 ± 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, G4-QAM) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1 RB, 10 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 % 10176 CAG 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, QAM) LTE-FDD 5.72 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QAM) LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QAM) LTE-FDD 5.	10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD		
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, 16-QAM) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) 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, 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, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10178 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, 15 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10182 CAE LTE-FDD (S	10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	and the second se		
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, QPSK) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-TDD 10.25 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM) 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 CAE LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM) LTE-FDD 6.52 ± 9.6 % 10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE	10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)			
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10179 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 6.50 ± 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, 0PSK) LTE-FDD 5.73 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 0PSK) LTE-FDD 6.50 ± 9.6 % 10186 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, 64-QAM) LTE-FDD			LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-0AM)			
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, QPSK) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.50 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 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, 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 6.52 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 16-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, 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 % 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, G4-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 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 64-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, 65 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN			1TE-EDD (SC-EDMA 1 RR 15 MHz ODCV)			
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 % 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, 1.4 MHz, QPSK) 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, G4-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 Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10196 CAC			$\frac{1}{1} = \frac{1}{100} \frac{1}$			
10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10188 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 % 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) WLA						
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, 14 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10189 AAF 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, 65 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 Greenfield, 65 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, 65 Mbps, 64-QAM) WL						
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 6.50 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-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, 65 Mbps, 64-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 8.10 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)						
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 5.73 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ± 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, 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 8.10 ± 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, 6.5 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 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, 16-QAM) LTE-FDD 6.52 ± 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, 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 8.11 ± 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, 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 %						
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, 6.5 Mbps, BPSK) 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 8.11 ± 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, 6.5 Mbps, 16-QAM) 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 8.13 ± 9.6 %			LTE-FUD (SU-FUMA, 1 KB, 1.4 MHz, QPSK)			the second se
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, 6.5 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10198 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 %			LTE-FDD (SC-FDMA, 1 KB, 1.4 MHz, 16-QAM)		******	
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 % 10198 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 %			LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)			± 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 % 10198 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 %			IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)		8.09	±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 %			IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN		
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 %			IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN		
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 Mixed, 6.5 Mbps, BPSK)			
10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)			
			IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)			
	10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

					
10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	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	$\pm 9.6\%$
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 % ± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	*****	8.08	
10225	CAB	UMTS-FDD (HSPA+)		5.97	± 9.6 %
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6%
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	<u>±9.6 %</u> ±9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48 10.25	
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD		± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6%
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	$\pm 9.6\%$
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	$\pm 9.6\%$
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	$\pm 9.6\%$
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6%
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	$\pm 9.6\%$
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9,23	± 9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	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 %
10000	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10295		LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10295	AAD				
	AAD AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD LTE-FDD	5.72 6.39	± 9.6 %

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10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL 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 %
10306	AAA	symbols) IEEE 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)	10/:00/	44.40	
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, POSC)	WIMAX WIMAX	14.46 14.58	$\pm 9.6\%$
		symbols)	VVIIV/32	14.00	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 9
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 9
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFI (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)			
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	± 9.6 %
10422	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 Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6%
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)			- 0.0 /

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000 WCDMA	8.25 2.39	±9.6 % ±9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL		7.82	$\pm 9.6\%$ $\pm 9.6\%$
10461	AAA	Subframe=2,3,4,7,8,9)		1.02	1 3.0 %
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 %

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10535 10536 10537 10538 10540 10541	AAB AAB AAB AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN WLAN WLAN	8.45 8.32	<u>±9.6 %</u> ±9.6 %
10537 10538 10540	AAB				
10538 10540				8.44	± 9.6 %
10540		IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.54	± 9.6 %
	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 95pc duty cycle)	WLAN	8.39	± 9.6 %
10041	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10545	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 %
10540	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 Will (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 %
10556	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 %
10304	~~~	cvcle)	VVL/IN	0.20	1 2 3.0 /0
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cvcle)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
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 %
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN WLAN	8.70	<u>± 9.6 %</u> ± 9.6 %
10585 10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)			

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10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
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	$\pm 9.6\%$ $\pm 9.6\%$
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	$\pm 9.6\%$ $\pm 9.6\%$
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN		± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)		8.59	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB		WLAN	8.82	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10619	AAB		WLAN	8.58	± 9.6 %
10620		IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9,6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, 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	
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD		± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)		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 %
			LTE-TDD	6.91	± 9.6 %
	ΔΔΠ				
10653 10654	AAD 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 LTE-TDD	7.42 6.96	±9.6 % ±9.6 %

40055		LTE TOD (OEDMA, OO MILE E TMO 4 Offening 449()		7.04	
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD Test	7.21	±9.6 % ±9.6 %
10658 10659	AAA AAA	Pulse Waveform (200Hz, 10%) Pulse Waveform (200Hz, 20%)	Test	6.99	$\pm 9.6\%$
10659	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 40%)	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		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	$\pm 9.6\%$
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 % ± 9.6 %
10688		IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN WLAN	8.29	$\pm 9.6\%$ $\pm 9.6\%$
10689	AAA AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle) IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.55	$\pm 9.6\%$ $\pm 9.6\%$
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS3, 39pc 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 (20MHz, 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		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) IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN WLAN	8.67	<u>± 9.6 %</u> ± 9.6 %
10713		IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.26	$\pm 9.6\%$
10714	AAA AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10713	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
1	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10721				8.55	± 9.6 %
10721		I LEEE 802.11ax (80MHZ, MCS3, 90DC QUIV CVCIE)	WLAN	1 0.00	
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10722 10723		IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN WLAN		
10722	AAA AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10722 10723 10724	AAA AAA AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN WLAN	8.70 8.90	± 9.6 % ± 9.6 %

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

^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 Hac MRA



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Swiss Calibration Service

Accreditation No.: SCS 0108

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

PC Test Client

Certificate No: EX3-7547_Jul19

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:7547
Calibration procedure(s)	QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes
Calibration date:	July 15, 2019
	nts the traceability to national standards, which realize the physical units of measurements (SI). ainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been conducted	ed 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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Арг-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
			VAL -
Approved by:	Katja Pokovic	Technical Manager	Still
			Issued: July 16, 2019
This calibration certificate	e shall not be reproduced except in full	without written approval of the lab	oratory.

Calibration Laboratory of

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



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Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization 8	9 rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Accreditation No.: SCS 0108

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.59	0.63	0.61	± 10.1 %
DCP (mV) ^B	98.4	100.8	101.2	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	157.4	± 3.0 %	± 4.7 %
		Y	0.00	0.00	1.00		159.4	1	
		Z	0.00	0.00	1.00		160.6	1	
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	88.58	20.42	10.00	60.0	± 3.5 %	± 9.6 %
AAA		Y	15.00	89.45	20.46		60.0		
		Z	15.00	88.70	20.44		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	89.81	19.82	6.99	80.0	±2.1%	± 9.6 %
AAA		Y	15.00	91.92	20.74		80.0		
		Z	15.00	90.32	20.04		80.0	1	
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	91.03	18.86	3.98	95.0	± 0.9 %	± 9.6 %
AAA		Y	15.00	96.09	21.49		95.0	1	
		Z	15.00	91.99	19.30	1	95.0	1	
10355-	Pulse Waveform (200Hz, 60%)	X	15.00	90.53	17.16	2.22	120.0	± 1.0 %	± 9.6 %
AAA		Y	15.00	100.76	22.40		120.0	1	
		Z	15.00	92.09	17.89		120.0	1	
10387-	QPSK Waveform, 1 MHz	X	0.62	60.63	7.84	0.00	150.0	± 2.7 %	± 9.6 %
AAA		Y	0.55	60.00	7.54		150.0	1	
		Z	0.56	60.00	7.41		150,0	1	
10388-	QPSK Waveform, 10 MHz	X	2.12	67.29	15.12	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Y	2.04	66.92	15.14		150.0	1	
		Z	1.95	66.11	14.57		150.0	1	
10396-	64-QAM Waveform, 100 kHz	X	2.72	68.69	17.94	3.01	150.0	± 1.0 %	± 9.6 %
AAA		Y	2.50	67.90	17.50		150.0		
		Z	2.48	67.31	17.30		150.0]	
10399-	64-QAM Waveform, 40 MHz	X	3.48	66.97	15.58	0.00	150.0	± 2.1 %	± 9.6 %
AAA		Y	3.38	66.64	15.46		150.0		
		Z	3.31	66.20	15.19		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.69	65.04	15.19	0.00	150.0	± 4.2 %	± 9.6 %
AAA		Y	4.71	65.39	15.34		150.0		
		Z	4.69	65.12	15.20		150.0		

Note: For details on UID parameters see Appendix

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

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

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

Sensor Model Parameters

	C1	C2	α	T1	T2	Т3	T4	T5	T6
	fF	fF	V ⁻¹	ms.V ⁻²	ms.V⁻¹	ms	V-2	V ⁻¹	
X	44.2	336.23	36.63	14.57	0.38	5.10	0.00	0.49	1.01
Y	39.2	289.50	34.84	14.48	0.00	5.10	0.68	0.28	1.01
Z	42.3	319.56	36.16	13.50	0.33	5.10	0.00	0.44	1.01

Other Probe Parameters

Triangular
-29.5
enabled
disabled
. 337 mm
10 mm
9 mm
2.5 mm
1 mm
1 mm
1 mm
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	10.00	10.00	10.00	0.60	0.80	± 12.0 %
835	41.5	0.90	9.59	9.59	9.5 9	0.60	0.81	± 12.0 %
1750	40.1	1.37	8.25	8.25	8.25	0.31	0.86	± 12.0 %
1900	40.0	1.40	7.85	7.85	7.85	0.37	0.86	± 12.0 %
2300	39.5	1.67	7.57	7.57	7.57	0.31	0.93	± 12.0 %
2450	39.2	1.80	7.17	7.17	7.17	0.36	0.93	± 12.0 %
2600	39.0	1.96	6.99	6.99	6.99	0.39	0.93	± 12.0 %

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.

⁶ 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.

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

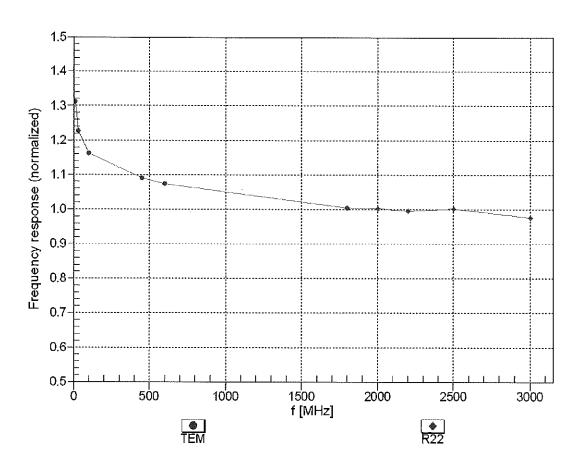
Calibration Parameter Determined in Body Tissue Simulating Media

^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.

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

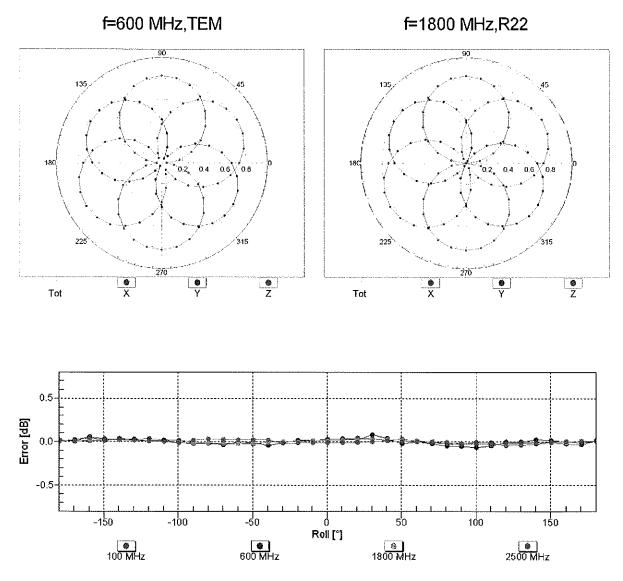
the ConvF uncertainty for indicated target tissue parameters. ⁹ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

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

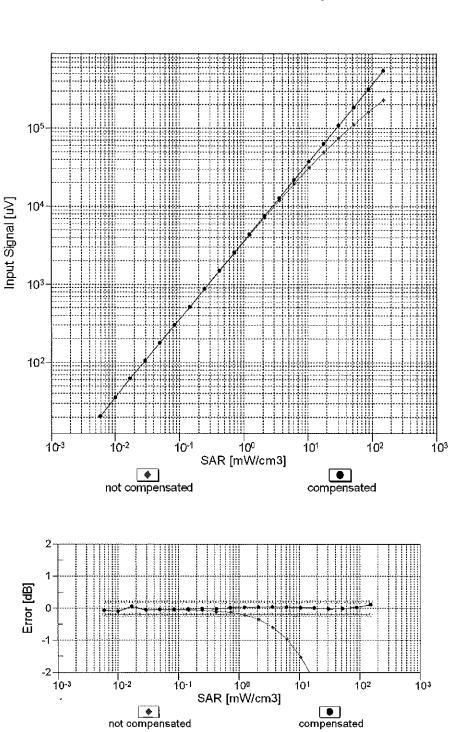
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)



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

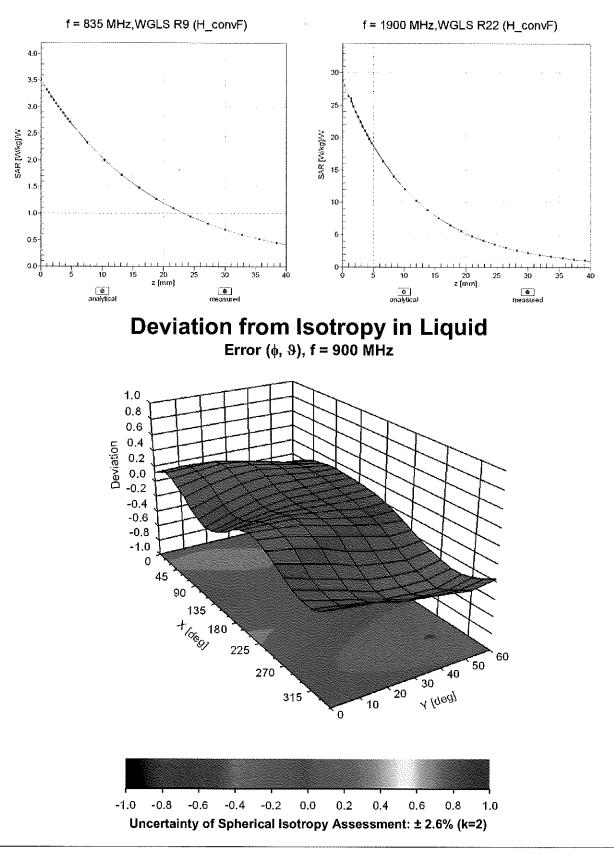
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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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 (dB)	Unc [±] (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	±96%
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±96%
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6%
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6%
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6%
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6%
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6%
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6%
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6%
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6%
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6%
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6%
	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6 %
10105 10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6 %

	1		-1		·•••••••••••••••••••••••••••••••••••••
10109		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6%
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6%
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8,46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6%
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145		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 CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149		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-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	6.60	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.28	$\pm 9.6\%$
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 18-QAM) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	9.92 10.05	$\pm 9.6\%$
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 04-QAM)	LTE-FDD	5.75	±9.6 % ±9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6%
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6 %
10186		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 10198	CAC 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)		8.27	± 9.6 %
10219	LOAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

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10220 CAG IEEE 802.11n (IHT Muxed, 25 Mbps, 81-OAM) WLAN 8.12 ± 9.6 %. 10221 CAG IEEE 802.11n (IHT Muxed, 15 Mbps, 81-OAM) WLAN 8.02 ± 9.6 %. 10223 CAG IEEE 802.11n (IHT Muxed, 15 Mbps, 81-OAM) WLAN 8.48 ± 9.6 %. 10224 CAG IEEE 802.11n (IHT Muxed, 150 Mbps, 64-OAM) WLAN 8.49 ± 9.6 %. 10225 CAB IHTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-OAM) ILTE-TDD 9.4 ± 9.6 %. 10226 CAA IHTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-OAM) ILTE-TDD 9.4 ± 9.6 %. 10226 CAA IHTE-TDD (SC-FDMA, 1 RB, 3.MHz, 16-OAM) ILTE-TDD 9.4 ± 9.6 %. 10230 CAC IHTE-TDD (SC-FDMA, 1 RB, 3.MHz, 16-OAM) ILTE-TDD 9.1 ± 9.6 %. 10231 CAF IHTE-TDD (SC-FDMA, 1 RB, 3.MHz, 16-OAM) ILTE-TDD 9.2 ± 9.6 %. 10232 CAF IHTE-TDD (SC-FDMA, 1 RB, 3.MHz, 16-OAM) IHTE-TDD 9.2 ± 9.6 %. 10234 CAF IHTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-OAM) IHTE-TDD 9.2 ± 9.6 %. 10234	40000			1 1 4 1 4 1 1	0.10	
10222 CAC IEEE 802.11n (HT Mixed, 15 Mbps, 16-OAM) WLAN 8.46 ± 9.6 %. 10233 CAC IEEE 802.11n (HT Mixed, 150 Mbps, 16-OAM) WLAN 8.47 ± 9.6 %. 10226 CAB UMTS-FDD (ISC-FDM, 1 RB, 14 MHz, 16-OAM) ITE-TDD (9.27 FDM, 1 RB, 14 MHz, 16-OAM) ITE-TDD (9.27 FDM, 1 RB, 14 MHz, 07-OAM) ITE-TDD (9.28 ± 9.6 %. 10226 CAA ITE-TDD (9.27 FDM, 1 RB, 14 MHz, 07-OAM) ITE-TDD (9.28 ± 9.6 %. 10.28 ± 9.6 %. 10228 CAA ITE-TDD (9.27 FDM, 1 RB, 14 MHz, 07-OAM) ITE-TDD (9.28 ± 9.6 %. 10.28 ± 9.6 %. 10228 CAC ITE-TDD (9.27 FDM, 1 RB, 3 MHz, 16-OAM) ITE-TDD (9.28 ± 9.6 %. 10.28 ± 9.6 %. 10231 CAC ITE-TDD (9.27 FDM, 1 RB, 5 MHz, 16-OAM) ITE-TDD (9.28 ± 9.6 %. 10.28 ± 9.6 %. 10232 CAF ITE-TDD (9.27 FDM, 1 RB, 5 MHz, 16-OAM) ITE-TDD (9.24 ± 9.6 %. 10.28 ± 9.6 %. 10233 CAF ITE-TDD (9.26 FDM, 1 RB, 16 MHz, 0-OAM) ITE-TDD (9.22 ± 9.6 %. 10.28 ± 9.6 %. 10234 CAF ITE-TDD (9.27 FDM, 1 RB, 16 MHz, 0-OAM) ITE-TDD (9.24 ± 9.6 %. 10.28 ± 9.6 %. 10.28 ± 9.6 %. <t< td=""><td>10220</td><td>CAC</td><td>IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)</td><td>WLAN</td><td>8.13</td><td>± 9.6 %</td></t<>	10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10223 CAC IEEE 802.11n (HT Mixed, 90 Mbps, 16-OAM) WLAN 8.08 ± 9.6 % 10224 CAC IEEE 802.11n (HT Mixed, 90 Mbps, 64-OAM) WLOBMA 5.07 ± 9.6 % 10226 CAB UMTS-PD (HSPA4) WLOBMA 5.97 ± 9.6 % 10226 CAA LTE-TDD (SC-FDMA, 1 RB, 14 MHz, 64-OAM) LTE-TDD 9.49 ± 9.6 % 10227 CAA LTE-TDD (SC-FDMA, 1 RB, 14 MHz, 64-OAM) LTE-TDD 9.22 ± 9.6 % 10228 CAA LTE-TDD (SC-FDMA, 1 RB, 14 MHz, 64-OAM) LTE-TDD 9.24 ± 9.6 % 10230 CAC LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-OAM) LTE-TDD 9.28 ± 9.6 % 10231 CAC LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-OAM) LTE-TDD 9.21 ± 9.6 % 10232 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-OAM) LTE-TDD 9.21 ± 9.6 % 10235 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-OAM) LTE-TDD 9.21 ± 9.6 % 10236 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 20-SAM) LTE-TDD 9.22 </td <td>·</td> <td></td> <td></td> <td></td> <td></td> <td></td>	·					
10224 CAC IEEE 802.110 (PT Mixed, 150 Mbps, 64-0AM) WLAN 8.08 19.6 % 10225 CAA LTE-TDD (SC-PDMA, 1R8, 1.4 MHz, 16-0AM) LTE-TDD 9.6 % 10226 CAA LTE-TDD (SC-PDMA, 1R8, 1.4 MHz, 0F-0AM) LTE-TDD 9.28 10226 CAA LTE-TDD (SC-PDMA, 1R8, 1.4 MHz, 0F-0AM) LTE-TDD 9.42 9.8 % 10228 CAA LTE-TDD (SC-PDMA, 1R8, 1.4 MHz, 0F-0AM) LTE-TDD 9.42 9.8 % 10229 CAC LTE-TDD (SC-PDMA, 1R8, 1.4 MHz, 0F-0AM) LTE-TDD 9.42 9.8 % 10231 CAC LTE-TDD (SC-PDMA, 1R8, 1.4 Hz, 0P-SK) LTE-TDD 9.42 9.8 % 10232 CAF LTE-TDD (SC-PDMA, 1R8, 0.4 Hz, 0AM) LTE-TDD 9.25 9.8 % 10233 CAF LTE-TDD (SC-PDMA, 1R8, 10.4 Hz, 0AM) LTE-TDD 9.25 9.6 % 10234 CAF LTE-TDD (SC-PDMA, 1R8, 10.4 Hz, 16-OAM) LTE-TDD 9.25 9.6 % 10235 CAF LTE-TDD (SC-PDMA, 1R8, 10.4 Hz, 16-OAM) LTE-TDD 9.25 9.6 %						
10226 CAB UMIS-FDD (H\$PA+) VCDMA 5.97 ±9.6 % 10227 CAA LTE-TDD (SC+FDMA, 1 RB, 14 MHz, 64-GAM) LTE-TDD (0.26 ±9.6 % 10228 CAA LTE-TDD (SC+FDMA, 1 RB, 14 MHz, 64-GAM) LTE-TDD (0.26 ±9.6 % 10228 CAC LTE-TDD (SC+FDMA, 1 RB, 3 MHz, 16-GAM) LTE-TDD (0.26 ±9.6 % 10230 CAC LTE-TDD (SC+FDMA, 1 RB, 3 MHz, 64-GAM) LTE-TDD (0.27 ±9.6 % 10231 CAC LTE-TDD (SC+FDMA, 1 RB, 5 MHz, 0FGAM) LTE-TDD (0.27 ±9.6 % 10232 CAF LTE-TDD (SC+FDMA, 1 RB, 5 MHz, 0FGAM) LTE-TDD (0.27 ±9.6 % 10234 CAF LTE-TDD (SC+FDMA, 1 RB, 10 MHz, 4-GAM) LTE-TDD (0.27 ±9.6 % 10236 CAF LTE-TDD (SC+FDMA, 1 RB, 10 MHz, 4-GAM) LTE-TDD (0.26 ±9.6 % 10238 CAF LTE-TDD (SC+FDMA, 1 RB, 10 MHz, 4-GAM) LTE-TDD (0.26 ±9.6 % 10238 CAF LTE-TDD (SC+FDMA, 1 RB, 10 MHz, 4-GAM) LTE-TDD (0.26 ±9.6 % 10242 CAA LTE-TDD (SC+FDMA, 1 RB, 10 MHz, 6+GAM) LTE-TDD (0.26 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10226 CAA LTE-TDD (SC-FDMA, 1 RB, 14 MHz, 46-CAM) LTE-TDD (D, 26 9.49 ± 9.6 %. 10228 CAA LTE-TDD (SC-FDMA, 1 RB, 14 MHz, 4C-ACAM) LTE-TDD (D, 26 ± 9.6 %. 10228 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM) LTE-TDD (D, 25 ± 9.6 %. 10231 CAC LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-CAM) LTE-TDD (D, 25 ± 9.6 %. 10232 CAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 26-CAM) LTE-TDD (D, 25 ± 9.6 %. 10232 CAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 20-CAM) LTE-TDD (D, 25 ± 9.6 %. 10233 CAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 20-CAM) LTE-TDD (D, 25 ± 9.6 %. 10236 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 20-CAM) LTE-TDD (D, 25 ± 9.6 %. 10237 CAF LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 20-CAM) LTE-TDD (D, 25 ± 9.6 %. 10238 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 26-CAM) LTE-TDD (D, 25 ± 9.6 %. 10238 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 26-CAM) LTE-TDD (D, 25 ± 9.6 %. 10240 CAA LTE						
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10239 CAF LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-TDD 10.26 ± 9.6 % 10240 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-TDD 9.82 ± 9.6 % 10241 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-TDD 9.86 ± 9.6 % 10242 CAA LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 42-QAM) LTE-TDD 9.86 ± 9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 81 MHz, 42-QAM) LTE-TDD 10.06 ± 9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 81 MHz, 42-QAM) LTE-TDD 9.30 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 81 MHz, 64-QAM) LTE-TDD 9.91 ± 8.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 81 MHz, 64-QAM) LTE-TDD 9.29 ± 9.6 % 10250 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 9.24 ± 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-QA		1				
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10242 CAA LTE-TDD 9.86 ± 9.6 % 10243 CAA LTE-TDD SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-TDD 9.46 ± 9.6 % 10244 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-TDD 10.06 ± 9.6 % 10245 CAC LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10246 CAC LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.30 ± 9.6 % 10248 CAF LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-TDD 9.29 ± 9.6 % 10249 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM) LTE-TDD 9.21 ± 9.6 % 10251 CAF LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 40-QAM) LTE-TDD 10.17 ± 9.6 % 10252 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 40-QAM) LTE-TDD 10.17 ± 9.6 % 10253 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 40-QAM) LTE-TDD 9.0 ± 9.6 % 10254 CAF LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-TDD 9.0 ± 9.6 %		1				
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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, QPSK) LTE-TDD 9.20 ± 9.6 % 10256 CAF LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.20 ± 9.6 % 10256 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.90 ± 9.6 % 10257 CAA LTE-TDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-TDD 9.34 ± 9.6 % 10258 CAA LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 46-QAM) LTE-TDD 9.98 ± 9.6 % 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 46-QAM) LTE-TDD 9.98 ± 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, 5 MHz, 64-QAM) LTE-TDD 9.83 ± 9.6 % 10262 CAF LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.24 ± 9.6 % 10263 CAF LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.24 ± 9.6 % 10264 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
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				LTE-FDD		±9.6 %

40200				0.00	
10300 10301	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)		12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	10.50	+069/
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, POSC)	WIMAX	12.52 11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WIMAX	15.24	± 9.6 % ± 9.6 %
10000	1.000	symbols)		10.24	1 3.0 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WIMAX	14.67	± 9.6 %
		symbols)		11.01	10.0 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WIMAX	14.49	± 9.6 %
		symbols)			
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18	WiMAX	14.58	±9.6 %
		symbols)			
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	± 9.6 %
40044		symbols)			
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316 10317	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	AAA	Pulse Waveform (200Hz, 10%)	WLAN	8.36	±9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic Generic	6.99	$\pm 9.6\%$
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	3.98 2.22	±9.6 % ±9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	$\pm 9.6\%$
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
	ļ	Subframe=2,3,4,7,8,9, Subframe Conf=4)			
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	±9.6 %
10110		Long preambule)			
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	±9.6 %
10400		Short preambule)	1440 4 1 1		
10422 10423	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6%
10423	AAB 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) 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)	WLAN	8.45	± 9.6 %
10427	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)		8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 3 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD LTE-FDD	8.28	$\pm 9.6\%$
10431	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6%
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	<u>8.34</u> 8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 % ± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9)		1.02	± 3,0 70
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
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10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL 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		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	± 9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
10493	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10100	1,0,0	Subframe=2,3,4,7,8,9)		0.00	1 3.0 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL	LTE-TDD	7.74	±9.6 %
10495	AAF	Subframe=2,3,4,7,8,9)		0.07	1001
10495		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	LTE-TDD	8.54	± 9.6 %
	<u> </u>	Subframe=2,3,4,7,8,9)			
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	LTE-TDD	8.40	±9.6 %
		Subframe=2,3,4,7,8,9)		0110	- 0.0 /0
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.68	±9.6 %
10500	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL	LTE-TDD	7.67	± 9.6 %
10000	,,,,,,	Subframe=2,3,4,7,8,9)		7.07	± 9.0 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.44	± 9.6 %
10502	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL		0.50	
10002		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	LTE-TDD	7.72	± 9.6 %
10501		Subframe=2,3,4,7,8,9)			
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	LTE-TDD	8.54	±9.6 %
		Subframe=2,3,4,7,8,9)			_ 0.0 /0
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10507	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.36	± 9.6 %
10001		Subframe=2,3,4,7,8,9)		0.30	I9.0 %
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
10509	AAE	Subframe=2,3,4,7,8,9)			
10009	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	LTE-TDD	8.49	± 9.6 %
40544		Subframe=2,3,4,7,8,9)			
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	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)			
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	LTE-TDD	8.45	± 9.6 %
		Subframe=2,3,4,7,8,9)		0.40	
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516 10517	AAA 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) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN WLAN	1.58	±9.6%
10510	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.12 7.97	±9.6%
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6 % ±9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN		$\pm 9.6\%$ $\pm 9.6\%$
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.08	
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.27 8.36	±9.6 % ±9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	$\pm 9.6\%$ $\pm 9.6\%$
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	$\pm 9.6\%$ $\pm 9.6\%$
10528	AAB	IEEE 802.11ac WiFI (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	$\pm 9.6\%$ $\pm 9.6\%$
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.0 % ± 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 %
			1 YY - 71N	1 0.40	1 2 3.0 70

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10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6%
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8,49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFI (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN		± 9.6 %
10558	AAC	IEEE 802.11ac WiFt (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)		8,61	± 9.6 %
10561	AAC		WLAN	8,73	± 9.6 %
10562		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 %
	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 %
40505					
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	0.0.0				
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
40500					ļ
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	±9.6 %
40570					
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
40574					
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 %
	<u></u>	cycle)			
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
	<u> </u>	cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	±9.6 %
		cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	±9.6 %
	<u> </u>	cycle)			<u> </u>
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 %
		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)		8.76	± 9.6 %
10580 10581	AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.76 8.35	± 9.6 % ± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)			
		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty			
10581 10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
10581 10582	AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) 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	8.35 8.67	± 9.6 % ± 9.6 % ± 9.6 %
10581 10582 10583	AAA AAA AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) 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	8.35 8.67 8.59 8.60	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10581 10582 10583 10584	AAA AAA AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) 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 WLAN	8.35 8.67 8.59	± 9.6 % ± 9.6 % ± 9.6 %

40500	0.00			0.70	
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 %
		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 10594	AAB AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
		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) IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB		WLAN	8.50	± 9.6 %
10599 10600	AAB AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN WLAN	8.79 8.88	±9.6 % ±9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.82	±9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.94	$\pm 9.6\%$
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	9.03	$\pm 9.6\%$
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCG4, 30pc duty cycle)	WLAN	9.03 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, MCSO, sope duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	$\pm 9.6\%$ $\pm 9.6\%$
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.77	$\pm 9.6\%$
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	$\pm 9.6\%$
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac Will (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, 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 10641	AAC 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) IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN WLAN	8.89	±9.6%
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.05 9.11	± 9.6 % ± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	9.11 11.96	
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, 0L 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	<u> </u>	± 9.6 % ± 9.6 %
10653	AAD	LTE-TDD (OFDMA, 3 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
<u></u>	1,010	$\frac{1}{1}$		0.30	<u>- 3.0 70</u>

10055	A A 67				
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	$\pm 9.6\%$
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		
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.78	$\pm 9.6\%$
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.91 8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN		± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)		8.89	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS4, sope duty cycle)	WLAN	8.82	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10702	AAA		WLAN	8.70	±9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6 %
10704		IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6 %
	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 %
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10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6%
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8,49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 9.6 %

^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 Hac MRA



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

Accreditation No.: SCS 0108

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

Client PC Test

Certificate No: EX3-7551_Sep19/2

CALIBRATION CERTIFICATE (Replacement of No: EX3-7551_Sep19)

Object	EX3DV4 - SN:7551	
Calibration procedure(s)	QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes	
Calibration date:	September 19, 2019	N/30/2020
1	uments the traceability to national standards, which realize the physical units of measurements (SI).	Sulto

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

Calibrated by:	Name Michael Weber	Function Laboratory Technician	Signature
Approved by:	Katja Pokovic	Technical Manager	fliff
This calibration certificate	shall not be reproduced except in	full without written approval of the labora	Issued: March 31, 2020 atory.

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





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Glossary:TSLtissue simulating liquidNORMx,y,zsensitivity in free space

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

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

Basic Calibration Parameters

and a final second film	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.57	0.54	0.56	± 10.1 %
DCP (mV) ^B	104.3	99.1	95.6	

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	181.1	± 3.0 %	±4.7 %
•		Y	0.00	0.00	1.00		174.4		
		Z	0.00	0.00	1.00		174.0		
10352-	Pulse Waveform (200Hz, 10%)	X	15.00	89.60	21.65	10.00	60.0	± 3.9 %	±9.6 %
AAA		Y	15.00	87.33	19.66		60.0		
		Z	15.00	88.48	20.15		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	90.79	21.23	6.99	80.0	± 2.7 %	± 9.6 %
AAA		Y	15.00	87.95	18,66		80.0		
		Z	15.00	90.69	19.98		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	94.66	21.81	3.98	95.0	± 1.2 %	± 9.6 %
AAA		Y	15.00	89.03	17.62		95.0		
		Z	15.00	94.85	20.37	1	95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	15.00	102,60	24.35	2.22	120.0	± 1.1 %	± 9.6 %
AAA		Y	15.00	87.27	15.36	1	120.0		ļ
		Z	15.00	97.27	19.82		120.0		
10387-	QPSK Waveform, 1 MHz	X	1.24	68,72	13.42	0.00	150.0	± 3.2 %	±9.6 %
AAA		Y	0.54	60.00	7.02	1	150.0]	
		Z	0.39	60.00	3.70	1	150.0		
10388-	QPSK Waveform, 10 MHz	X	2.73	71.86	17.85	0.00	150.0	±1.4 %	±9.6 %
AAA	,	Y	1.99	66.53	14.73	1	150.0		
		Z	2.16	69,95	16.98	1	150.0		
10396-	64-QAM Waveform, 100 kHz	X	3.60	74.00	20.55	3.01	150.0	±0.9%	± 9.6 %
AAA		Y	2.73	68.63	17.73	1	150.0]	ļ
		Z	2.22	67.94	18.36	1	150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.66	68.17	16.52	0.00	150.0	± 2.1 %	± 9.6 %
AAA		Y	3.37	66.52	15.34		150.0	J	
		Z	3.41	67.62	16.33		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.90	65.94	15.82	0.00	150.0	± 4.2 %	± 9.6 %
AAA		Y	4.76	65.46	15.39		150.0		1
		Z	4.60	66.09	16.03]	150.0		

Note: For details on UID parameters see Appendix

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

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

^B Numerical linearization parameter: uncertainty not required.

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

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ^{−1}	T3 ms	T4 V ⁻²	T5 V⁻¹	Т6
Х	47.8	351.65	34.83	22.77	0.50	5.10	0.98	0.37	1.01
Y	41.0	312.25	36.63	13.13	0.44	5.08	0.35	0.46	1.01
Z	25.5	199.44	38.63	11.25	0.42	5.10	0.00	0.26	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	120.2
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)
750	41.9	0.89	10.11	10.11	10.11	0.50	0.80	± 12.0 %
835	41.5	0.90	9.88	9.88	9.88	0.38	0.92	± 12.0 %
1750	40.1	1.37	8.34	8.34	8.34	0.28	0.80	± 12.0 %
1900	40.0	1.40	8.05	8.05	8.05	0.29	0.80	± 12.0 %
2300	39.5	1.67	7.74	7.74	7.74	0.30	0.90	± 12.0 %
2450	39.2	1.80	7.30	7.30	7.30	0.32	0.90	± 12.0 %
2600	39.0	1.96	7.18	7.18	7.18	0.35	0.90	± 12.0 %

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 ba relaxed to ± 10% if liquid compensation formula is applied to

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

the ConvF uncertainty for indicated target tissue parameters. ⁹ 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.

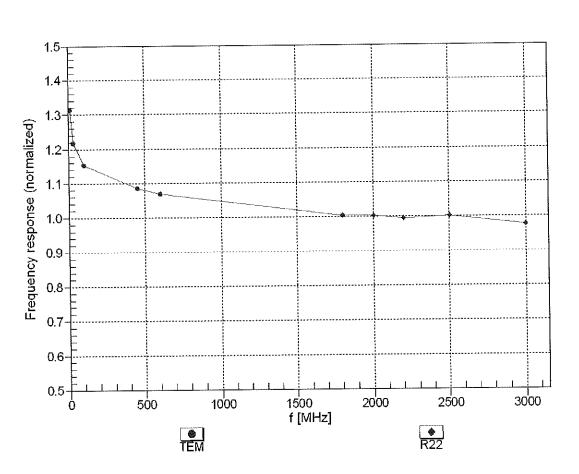
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.09	10.09	10.09	0.45	0.80	± 12.0 %
835	55.2	0.97	9.92	9.92	9.92	0.42	0.80	± 12.0 %
1750	53.4	1.49	8.13	8.13	8.13	0.37	0.87	± 12.0 %
1900	53.3	1.52	7.69	7.69	7.69	0.41	0.80	± 12.0 %
2300	52.9	1.81	7.63	7.63	7.63	0.40	0.90	± 12.0 %
2450	52.7	1.95	7.41	7.41	7.41	0.36	0.90	± 12.0 %
2600	52.5	2.16	7.34	7.34	7.34	0.28	0.96	± 12.0 %

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

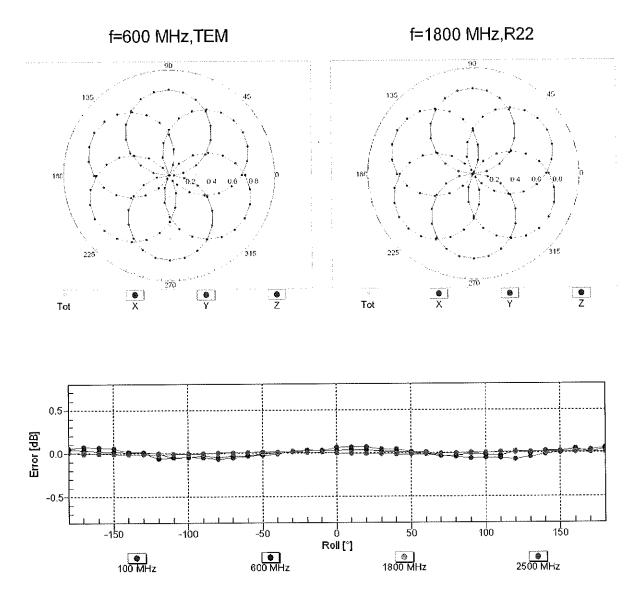
^F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty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

the ConvF uncertainty for indicated target tissue parameters. 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.



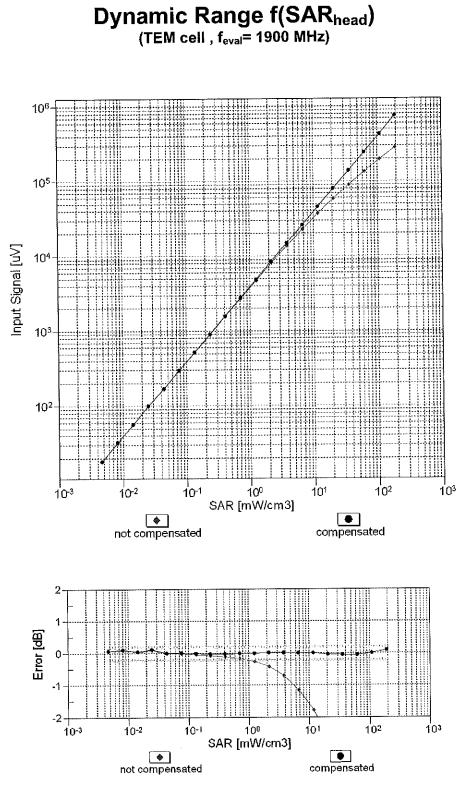
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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

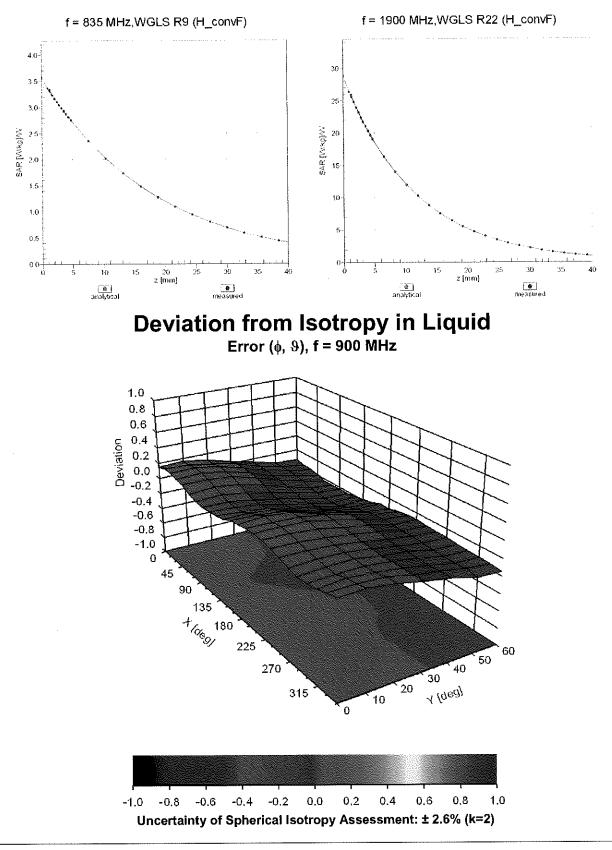


Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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	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	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	$\pm 9.6\%$
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 % ± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth Bluetooth	3.83	±9.6% ±9.6%
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)		8.01	
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth Bluetooth	4.77	± 9.6 % ± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	CDMA2000	4.10	$\pm 9.0\%$
10039	CAB	CDMA2000 (1xRTT, RC1)	AMPS	7.78	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	0.00	$\pm 9.6\%$
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	DECT	13.80	± 9.6 %
10048		DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	10.79	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	TD-SCDMA	11.01	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	GSM	6.52	$\pm 9.6\%$
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	WLAN	2.12	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10060	CAB CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 0.5 Mbps)	WLAN	3.60	± 9.6 %
10061	CAC	IEEE 802.11a/h WiFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9,6 %
10071	CAB		WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10105	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

10109 10110 10111					
10110 10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9,6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6%
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	$\pm 9.6\%$
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
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-TOD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 % ± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	
10177	CAL	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	<u>5.73</u> 6.52	± 9.6 % ± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$ $\pm 9.6\%$
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	5.72	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10182	CAE		LTE-FDD	6.50	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) 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, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10185 10186	CAE AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 10-QAM)	LTE-FDD	6.50	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		LTE-FDD (SC-FDMA, 1 RB, 3 MHZ, 04-QAM)	LTE-FDD	5.73	± 9.6 %
1 10107	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 0F3K)	LTE-FDD	6.52	± 9.6 %
10187	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10188		IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10188 10189			WLAN	8.12	± 9.6 %
10188 10189 10193	CAC	1 (EEE 802.11n (EU Graantiala 39 a/nne 16-0.000)			
10188 10189 10193 10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)			
10188 10189 10193 10194 10195	CAC CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6%
10188 10189 10193 10194 10195 10196	CAC CAC CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN WLAN	8.21 8.10	± 9.6 % ± 9.6 %
10188 10189 10193 10194 10195	CAC CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	

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	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9,48	±9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10240	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9,86	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10,06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10240	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9,81	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10251	CAG	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 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10255	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9,96	± 9.6 %
10250	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10255	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.02	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 10-QAM)	LTE-TDD	10.13	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 04-QAW)	LTE-TDD	9.58	± 9.6 %
10270		UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10275		PHS (QPSK)	PHS	11.81	± 9.6 %
		PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10278		PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10279		CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10291		CDMA2000, RC3, SO33, Full Rate	CDMA2000	3.39	± 9.6 %
	AAB	CDMA2000, RC3, SO32, Pull Rate	CDMA2000	3.50	± 9.6 %
10292	A A TO			1 0.00	1 2 0.0 /0
10292 10293	AAB		CDM4A2000	12 40	+06%
10292 10293 10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10292 10293	_		CDMA2000 LTE-FDD LTE-FDD	12.49 5.81 5.72	<u>± 9.6 %</u> <u>± 9.6 %</u> ± 9.6 %

10300 10301 10302 10303 10304 10305	AAD AAA AAA AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	LTE-FDD WIMAX WIMAX	6.60 12.03 12.57	± 9.6 % ± 9.6 % ± 9.6 %
10302 10303 10304 10305	AAA AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WIMAX	12.57	±9.6 %
10303 10304 10305	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)			
10304 10305		THE ARE TO THE ANY OF AF F ADDIE COMM DUDON			
10305		IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6 %
10306	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	15.24	± 9.6 %
	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	±9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WIMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WIMAX	14,57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	±9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8,36	±9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6 %
10355	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10356	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
		QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10388 10396	AAA	64-QAM Waveform, 100 kHz	Generic	6,27	± 9.6 %
	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10399	AAA	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10400	AAD		WLAN	8.60	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	CDMA2000	3.76	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.70	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)			± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	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 Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10455	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10456	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
1 10401	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
	1 ~~~		CDMA2000	8.25	± 9.6 %
10458	A A A				
10458 10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)			
10458	AAA AAA AAB	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	WCDMA LTE-TDD	2.39	± 9.6 %

10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7,71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 30% RB, 3 MHz, 64-QAM, 300)	LTE-TDD	8.47	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, 0L Sub)	LTE-TDD	8,60	± 9.6 %
10487		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, 6E 300)	LTE-TDD	7.70	± 9.6 %
10488	AAF		LTE-TDD	8.31	± 9.6 %
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.54	$\pm 9.6\%$
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	7.74	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	8.41	$\pm 9.6\%$
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	7.74	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)			1
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	$\pm 9.6\%$
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	$\pm 9.6\%$
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	±9.6%
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	±9.6 %
10523	AAB	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	±9.6 %
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
1 10524	1		WLAN	8.36	± 9.6 %
10524	AAB	I IEEE 802.11aC WIFI (2010HZ, 10CSU, 99DC CC)		1 0.00	1 7 9.0 10
10524 10525 10526	AAB AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %

	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10528 10529	AAB	IEEE 802,11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802,11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	±9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8,45	±9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
		IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.54	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10540	AAB		WLAN	8.46	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.65	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.47	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.55	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.35	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.49	$\pm 9.6\%$
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.37	± 9.6 %
10548	AAB	IEEE 802.11ac WIFi (80MHz, MCS4, 99pc dc)			
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	$\pm 9.6\%$
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	$\pm 9.6\%$
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	$\pm 9.6\%$
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8,48	± 9.6 % ± 9.6 %
10555	AAC	IEEE 802.11ac WIFI (160MHz, MCS1, 99pc dc)	WLAN	8.47	
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10578			1		
10578	AAA		WLAN	8.36	± 9.6 %
10579		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)			
10579 10580	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10579 10580 10581	AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN WLAN	8.36 8.76	± 9.6 % ± 9.6 %
10579 10580 10581 10582	AAA AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN WLAN WLAN	8.36 8.76 8.35 8.67	± 9.6 % ± 9.6 % ± 9.6 %
10579 10580 10581 10582 10583	AAA AAA AAA AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59	$\begin{array}{r} \pm 9.6 \ 9 \\ \pm 9.6 \ 9 \end{array}$
10579 10580 10581 10582 10583 10583	AAA AAA AAA AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60	$\begin{array}{r} \pm 9.6 \ 9 \\ \pm 9.6 \ 9 \end{array}$
10579 10580 10581 10582 10583 10583 10584 10585	AAA AAA AAA AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70	$\begin{array}{r} \pm 9.6 \ 9 \\ \pm 9.6 \ 9 \end{array}$
10579 10580 10581 10582 10583 10584 10585 10586	AAA AAA AAA AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49	$\begin{array}{r} \pm 9.6 \ 9 \\ \pm 9.6 \ 9 \end{array}$
10579 10580 10581 10582 10583 10583 10584 10585 10586 10587	AAA AAA AAA AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49 8.36	$\begin{array}{r} \pm 9.6 \ 9 \\ \pm 9.6 \ 9 \end{array}$
10579 10580 10581 10582 10583 10583 10585 10585 10586 10587 10588	AAA AAA AAA AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49 8.36 8.76	$\begin{array}{c} \pm 9.6 \\ 9 \\ \pm 9.6 \\ 9 \end{array}$
10579 10580 10581 10582 10583 10584 10585 10586 10587 10588 10589	AAA AAA AAB AAB AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49 8.36 8.76 8.35	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \\$
10579 10580 10581 10582 10583 10584 10585 10586 10587 10588 10589	AAA AAA AAB AAB AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49 8.36 8.76 8.35 8.67	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10579 10580 10581 10582 10583 10584 10585 10586 10587 10588 10589 10590	AAA AAA AAB AAB AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49 8.36 8.76 8.35 8.67 8.63	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10579 10580 10581 10582 10583 10584 10585 10586 10587 10588 10589 10590 10591	AAA AAA AAB AAB AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49 8.36 8.76 8.35 8.67 8.63 8.79	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \\$
10579 10580 10581 10582 10583 10584 10585 10586 10587 10588 10589 10590	AAA AAA AAB AAB AAB AAB AAB AAB AAB AAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.76 8.35 8.67 8.59 8.60 8.70 8.49 8.36 8.76 8.35 8.67 8.63	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$

10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 % ± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN WLAN	8.94	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	9.03	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	8.76	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.97	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.82	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) IEEE 802.11ac WIFI (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10607	AAB	IEEE 802.11ac WIFI (20MHz, MCS0, 90pc dc)	WLAN	8.77	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10609	AAB	IEEE 802.11ac WiFI (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8,70	± 9.6 %
10611	AAB		WLAN	8.77	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.59	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 30pc dc)	WLAN	8.82	± 9.6 %
10615 10616	AAB AAB	IEEE 802.11ac WiFi (200Hz, MCSo, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 30pc dc)	WLAN	8.58	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 30pc dc)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	±9.6 %
10620	AAB	IEEE 802.11ac WIFI (40MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	±9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	±9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WIFI (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WIFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WIFI (160MHz, MCS6, 90pc dc)	WLAN	9.06	$\pm 9.6\%$
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN MILAN	8.89	$\pm 9.6\%$
10644	AAC	IEEE 802.11ac WIFI (160MHz, MCS8, 90pc dc)	WLAN WLAN	9.05	$\pm 9.6\%$
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	LTE-TDD	9.11	± 9.6 % ± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	<u>11.96</u> 11.96	± 9.6 %
10647	AAF		CDMA2000	3,45	± 9.6 %
10648		CDMA2000 (1x Advanced) LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10652 10653	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 13 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
2	AAE	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
	AAA	Pulse Waveform (200Hz, 10%) Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10658			Test	3.98	± 9.6 %
10659		Pulse Waveform (200Hz 40%)			
10659 10660	AAA	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)			
10659 10660 10661	AAA AAA	Pulse Waveform (200Hz, 60%)	Test Test	2.22	± 9.6 %
10659 10660	AAA		Test		

				0.67	+06%
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN WLAN	8.57	±9.6 % ±9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.74	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.90	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	······································		$\pm 9.6\%$
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	<u>± 9.6 %</u> ± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	$\pm 9.6\%$ $\pm 9.6\%$
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 % ± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8,33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAA	1EEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	<u>± 9.6 %</u>
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	±9.6%
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	±9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	±9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	±9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAB	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAB	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9,6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	$\pm 9.6\%$
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6%
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	$\pm 9.6\%$
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	<u>±9.6 %</u>

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10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6 %
10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6%
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6 %
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6%
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6 %
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10859	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
		5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	8.41	± 9.6 %
10865	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10866	AAC AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5,89	± 9.6 %
10868	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 100 Hz)	5G NR FR2 TDD	5.75	± 9.6 %
10869		5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)	5G NR FR2 TDD	5.86	± 9.6 %
10870	AAD				± 9.6 %
1 10873		50 NP (DET & OEDM 1 PR 100 MHz 160 AM 120 KHz)	5G NR FR2 TDD	575	
1	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	
10872	AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6 %
10872 10873	AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.52 6.61	± 9.6 % ± 9.6 %
10872 10873 10874	AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD 5G NR FR2 TDD	6.52 6.61 6.65	± 9.6 % ± 9.6 % ± 9.6 %
10872 10873 10874 10875	AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD 5G NR FR2 TDD 5G NR FR2 TDD	6.52 6.61 6.65 7.78	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \\ \pm 9.6 \% \\ \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10876	AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10876 10877	AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10876 10877 10878	AAD AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95 8.41	$\begin{array}{c} \pm 9.6 \% \\ \end{array}$
10872 10873 10874 10875 10876 10877 10878 10879	AAD AAD AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95 8.41 8.12	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10876 10877 10878 10879 10880	AAD AAD AAD AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95 8.41 8.12 8.38	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10876 10877 10878 10879 10880 10881	AAD AAD AAD AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95 8.41 8.12 8.38 5.75	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10876 10877 10878 10879 10880 10881 10882	AAD AAD AAD AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95 8.41 8.12 8.38 5.75 5.96	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10876 10877 10878 10879 10880 10881 10882 10883	AAD AAD AAD AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95 8.41 8.12 8.38 5.75 5.96 6.57	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10872 10873 10874 10875 10875 10876 10877 10878 10879 10880 10881 10882	AAD AAD AAD AAD AAD AAD AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD5G NR FR2 TDD	6.52 6.61 6.65 7.78 8.39 7.95 8.41 8.12 8.38 5.75 5.96	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$

10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934		5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10940		5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.85	± 9.6 %
		5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10943		5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.81	± 9.6 %
	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.85	± 9.6 %
10945		5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.83	± 9.6 %
10946	AAA		5G NR FR1 FDD	5.87	± 9.6 %
10947		5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948		5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	$\pm 9.6\%$ $\pm 9.6\%$
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	$\pm 9.6\%$
10950		5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)			$\pm 9.6\%$ $\pm 9.6\%$
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.92 8.25	$\pm 9.6\%$
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)			
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %

September 19, 2019

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10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6 %

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

Calibration Laboratory of

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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura

> BN/ 4130/2020

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

PC Test Client

Certificate No: EX3-7488_Jan20/2

CALIBRAT	ON CERTIFICATE (Replacement of No: EX3-7488_Jan20)
Object	EX3DV4 - SN:7488

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 21, 2020

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DV2	SN: 3013	31-Dec-19 (No. ES3-3013_Dec19)	Dec-20
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-19)	In house check: Oct-20

	Name	Function	Signature	
Calibrated by:	Leif Klysner	Laboratory Technician	e Mar	
			sey sign -	
Approved by:	Katja Pokovic	Technical Manager	and the second s	
			Actor	
			Issued: March 31, 2020	
This calibration certificate	e shall not be reproduced except in fu	Il 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

Glossarv:

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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

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, v.z: Assessed for E-field polarization $\vartheta = 0$ (f ≤ 900 MHz in TEM-cell: f > 1800 MHz: R22 wavequide). NORMx, v.z are only intermediate values, i.e., the uncertainties of NORMx, v.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, v.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 $f \le 800$ 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	0.45	0.49	0.50	± 10.1 %
DCP (mV) ^B	102.4	100.1	101.2	

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	153.9	± 3.5 %	±4.7 %
		Y	0.00	0.00	1.00		139.0		
		Z	0.00	0.00	1.00		140.1		
10352-	Pulse Waveform (200Hz, 10%)	X	5.63	74.36	13.77	10.00	60.0	± 2.9 %	± 9.6 %
AAA		Y	6.82	76.29	14.74		60.0		
		Z	20.00	92.27	21.12		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	20.00	87.02	16.42	6.99	80.0	± 2.0 %	± 9.6 %
AAA		Y	20.00	87.56	16.78		80.0		
		Z	20.00	95.62	21.61		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	20.00	89.58	16.27	3.98	95.0	± 1.2 %	± 9.6 %
AAA		Y	20.00	87.55	15.19		95.0	1	
		Z	20.00	108.80	26.40		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	20.00	92.96	16.63	2.22	120.0	± 1.1 %	± 9.6 %
AAA		Y	19.99	82.40	11.72		120.0		
		Z	20.00	123.05	31.18		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.48	60.00	6.54	0.00	150.0	± 3.1 %	± 9.6 %
AAA		Y	0.48	60.00	5.89]	150.0]	
		Z	0.55	60.27	7.65	1	150.0		
10388-	QPSK Waveform, 10 MHz	X	2.20	68.91	16.27	0.00	150.0	± 1.3 %	± 9.6 %
AAA		Y	1.83	65.66	14.39	ł	150.0]	
		Z	2.17	68.21	15.92		150.0		
10396-	64-QAM Waveform, 100 kHz	X	2.80	71.23	19.16	3.01	150.0	± 1.1 %	± 9.6 %
AAA		Y	2.20	65.98	16.61]	150.0		
		Z	3.19	72.58	19.71		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.49	67.60	16.06	0.00	150.0	± 2.3 %	± 9.6 %
AAA		Y	3.23	66.02	15.12]	150.0		
		Z	3.46	67.18	15.85		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.60	65.44	15.45	0.00	150.0	±4.1%	± 9.6 %
AAA		Υ	4.56	65.09	15.20		150.0		
		Z	4.76	65.68	15.57		150.0		

Note: For details on UID parameters see Appendix

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

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

^B Numerical linearization parameter: uncertainty not required. ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

	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	33.8	249.38	34.84	6.94	0.00	5.03	1.45	0.10	1.01
Y	33.3	252.45	36.43	5.07	0.13	5.05	0.00	0.35	1.01
Z	38.7	286.52	35.12	10.09	0.09	5.09	1.93	0.13	1.01

Sensor Model Parameters

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	46.2
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)
750	41.9	0.89	10.64	10.64	10.64	0.57	0.80	± 12.0 %
835	41.5	0.90	10.21	10.21	10.21	0.43	0.94	± 12.0 %
1750	40.1	1.37	8.71	8.71	8.71	0.35	0.86	± 12.0 %
1900	40.0	1.40	8.28	8.28	8.28	0.35	0.86	± 12.0 %
2300	39.5	1.67	8.26	8.26	8.26	0.31	0.90	± 12.0 %
2450	39.2	1.80	7.93	7.93	7.93	0.38	0.90	± 12.0 %
2600	39.0	1.96	7.65	7.65	7.65	0.39	0.90	± 12.0 %
3500	37.9	2.91	7.30	7.30	7.30	0.30	1.30	± 13.1 %
3700	37.7	3.12	7.20	7.20	7.20	0.30	1.30	± 13.1 %
5250	35.9	4.71	5.39	5.39	5.39	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.67	4.67	4.67	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.99	4.99	4.99	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

^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.

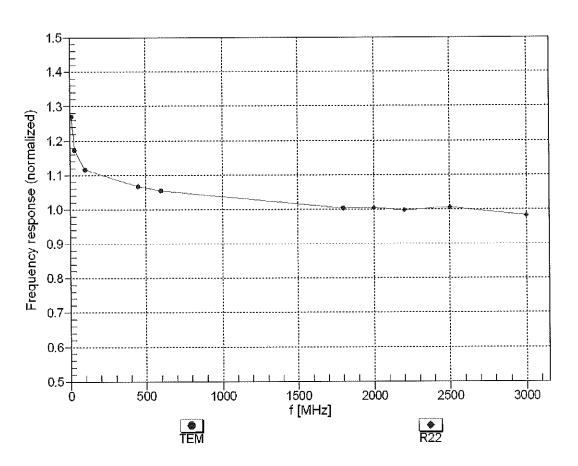
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	11.35	11.35	11.35	0.47	0.80	± 12.0 %
835	55.2	0.97	11.04	11.04	11.04	0.40	0.87	± 12.0 %
1750	53.4	1.49	8.77	8.77	8.77	0.39	0.86	± 12.0 %
1900	53.3	1.52	8.33	8.33	8,33	0.41	0.86	± 12.0 %
2300	52.9	1.81	8.11	8.11	8.11	0.40	0.90	± 12.0 %
2450	52.7	1.95	8.02	8.02	8.02	0.37	0.90	± 12.0 %
2600	52.5	2.16	7.69	7.69	7.69	0.27	0.98	± 12.0 %
3500	51.3	3.31	7.00	7.00	7.00	0.40	1.35	± 13.1 %
3700	51.0	3,55	6.85	6.85	6.85	0.40	1.35	± 13.1 %
5250	48.9	5.36	4.90	4.90	4.90	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.13	4.13	4.13	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.37	4.37	4.37	0.50	1.90	± 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 \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

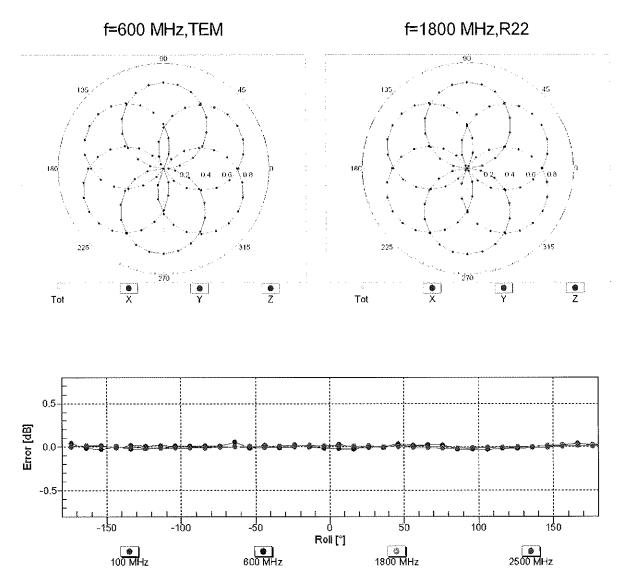
measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of

the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Dapth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than $\pm 1\%$ for frequencies below 3 GHz and below $\pm 2\%$ for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



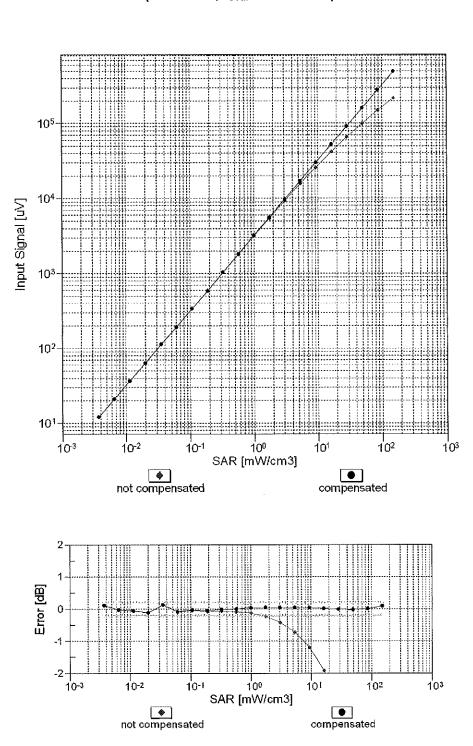
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



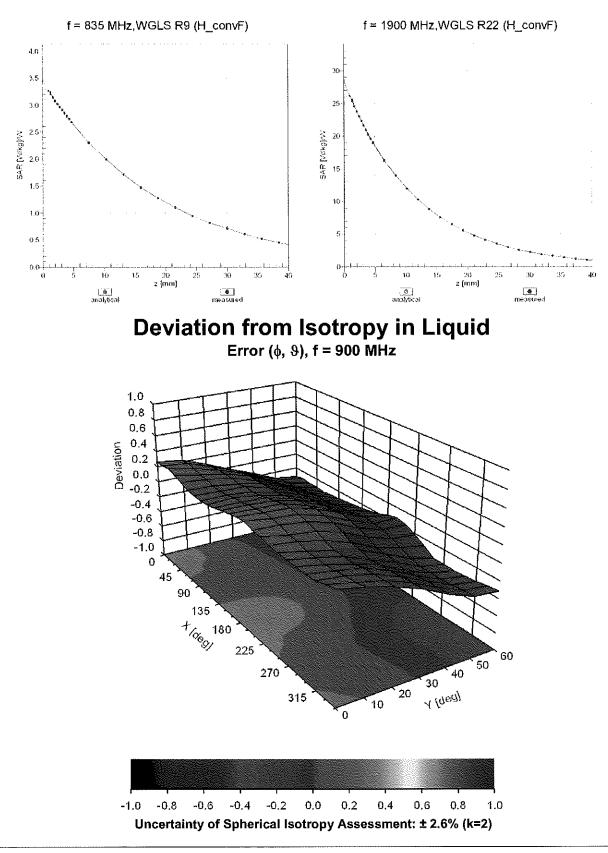
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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	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 GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6 % ±9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	Bluetooth	5.30	± 9.6 %
10030 10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1) IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	$\pm 9.6\%$
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10034		IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10035		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 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6%
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6%
10062	CAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN WLAN	10.24	± 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	<u> </u>	± 9.6 %
10071 10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.62	± 9.6 %
10072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.94	± 9.6 %
10073	CAB	IEEE 802.11g Wil12.4 GHz (DSSS/OFDM, 10 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g Wir 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 %
1 40400	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6%
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6%
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10150	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	$\pm 9.6\%$
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.28	$\pm 9.6\%$
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 10-QAM)	LTE-TDD	10.05	$\pm 9.6\%$
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 04-QAW)	LTE-FDD	5.75	$\pm 9.6\%$
10154	CAG		LTE-FDD	6.43	$\pm 9.6\%$
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD		
	_	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)		5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10183	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 %
10185	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10186		LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)		******	
			LTE-FDD	6.52	$\pm 9.6\%$
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6%
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

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10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	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	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6%
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9,82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.00	±9.6%
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10240	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.30	$\pm 9.6\%$
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	
10240	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD		$\pm 9.6\%$
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.29	±9.6 % ±9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.81	
10251	-			10.17	± 9.6 %
		LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6%
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6%
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6%
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	±9.6%
	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10279		CDMA2000 DC4 SOFE Full Data	CDMA2000	3.91	±9.6 %
	AAB	CDMA2000, RC1, SO55, Full Rate		1 0.01	
10279		CDMA2000, RC1, SOS5, Full Rate	CDMA2000	3.46	
10279 10290	AAB				±9.6 %
10279 10290 10291 10292	AAB AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46 3.39	± 9.6 % ± 9.6 %
10279 10290 10291 10292 10293	AAB AAB AAB	CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate	CDMA2000 CDMA2000	3.46 3.39 3.50	± 9.6 % ± 9.6 % ± 9.6 %
10279 10290 10291 10292	AAB AAB AAB AAB AAB	CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000 CDMA2000 CDMA2000 CDMA2000	3.46 3.39 3.50 12.49	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10279 10290 10291 10292 10293 10295	AAB AAB AAB AAB	CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate	CDMA2000 CDMA2000 CDMA2000	3.46 3.39 3.50	± 9.6 % ± 9.6 % ± 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, 3CTRL)	WIMAX	12.57	± 9.6 %
10302	AAA	IEEE 802.16e WIMAX (23.16, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WIMAX (31.13, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
			WIMAX	15.24	
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)			± 9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WIMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WIMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFI 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6%
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6%
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WIFI (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10404	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10400	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
	AAG			8.54	
10414		WLAN CCDF, 64-QAM, 40MHz	Generic		$\pm 9.6\%$
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	±9.6%
10422	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 Sub)	LTE-TDD	7.82	±9.6%
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10455	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	$\pm 9.6\%$
10456		UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
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10458		CDMA2000 (1xEV-DO, Rev. B, 2 carriers)		6.55	$\pm 9.6\%$
10459		CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)		2.39	± 9,6 %
10461 10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %

40400				0.00	
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464 10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	7.82	$\pm 9.6\%$
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 % ±9.6 %
10405	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8,57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	±9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	±9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6%
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)		7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 % ± 9.6 %
10490	AAB	LTE-TDD (SC-FDMA, 30% RB, 20 MHz, 04-0AM, 02 Sub)	LTE-TDD	8.54	$\pm 9.6\%$
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10400	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	±9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	±9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	±9.6%
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)		1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	±9.6%
10517 10518	AAA AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN WLAN	1.58	± 9.6 % ± 9.6 %
10518	AAB	IEEE 802.11a/n WIFI 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39 8.12	± 9.6 % ± 9.6 %
10520	AAB	IEEE 802.11a/1 WiFI'S GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	7.97	$\pm 9.6\%$ $\pm 9.6\%$
10521	AAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 40 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WIFI (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WIFI (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
		A 1997 A 1997 A 1997 A 1997 A 1997			,

10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	±9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	±9.6%
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8,29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	±9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	±9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	±9.6 %
10536	AAB	IEEE 802.11ac WiFI (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	±9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	±9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	±9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFl (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	±9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	±9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	±9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6%
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	±9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
		IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10593	AAB		1120 (1)	0.01	20.0 /0
10593 10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %

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10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	<u>±9.6 %</u>
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN WLAN	8,76	± 9.6 %
10605 10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97 8.82	±9.6 % ±9.6 %
10606	AAB AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 30pc dc)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFI (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFI (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8,94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	±9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	±9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFI (40MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6%
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6%
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	±9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	±9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN WLAN	8.79	± 9.6 %
10638		IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)		8.86	$\pm 9.6\%$
10639	AAC		WLAN WLAN	8.85	$\pm 9.6\%$
10640 10641	AAC AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	8.98	±9.6 % ±9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	$\pm 9.6\%$ $\pm 9.6\%$
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	8.89	$\pm 9.6\%$
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 50pc dc)	WLAN	9.05	$\pm 9.6\%$
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	9.05	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	$\pm 9.6\%$
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2,22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	±9.6 %

10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8,57	±9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	±9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	<u>±9.6 %</u>
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	±9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8,55	±9.6%
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6%
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	±9.6%
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	±9.6%
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713		IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	$\pm 9.6\%$
10714		IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN WLAN	8.26	$\pm 9.6\%$
10715		IEEE 802.11ax (40MHz, MCS8, 99pc dc) IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.45	$\pm 9.6\%$
10716	AAA AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 % ± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.24	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 990c dc)	WLAN	8.81	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	$\pm 9.6\%$
10720		IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.76	$\pm 9.6\%$
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.55	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10720	AAA	1EEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	$\pm 9.6\%$
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.67	± 9.6 %
10730	1	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10730	ι ΔΔΔ		1 ******	1 U.72	
10731			WIAN	8.46	+96%
10731 10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	$\pm 9.6\%$
10731			WLAN WLAN WLAN	8.46 8.40 8.25	± 9.6 % ± 9.6 % ± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	±9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	
10752				****	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	<u>±9.6 %</u>
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	±9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	±9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6%
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6%
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	±9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.03	± 9.6 %
10775	AAB	5G NR (CP-OFDM, 1 KB, 50 MHz, QFSK, 15 KHz) 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	$\pm 9.6\%$
10776	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		
10776				8.30	$\pm 9.6\%$
10777	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6%
	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6%
10779	AAB	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6%
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6%
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6%
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
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10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6%
10820	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6%
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAC AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.42 8.43	±9.6 % ±9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 KHz)	5G NR FR1 TDD		
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.40 7.63	±9.6 % ±9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.03	$\pm 9.6\%$
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	$\pm 9.6\%$
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6%
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6 %
10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,49	±9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6%
10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6%
10860	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 %
10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10865	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10868	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6%
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	$\pm 9.6\%$
10875 10876	AAD AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	7.78	$\pm 9.6\%$
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.39	$\pm 9.6\%$
10878	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	7.95	± 9.6 % ± 9.6 %
10879	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	8.41	
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	8.12 8.38	± 9.6 % ± 9.6 %
10880	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	$\pm 9.6\%$ $\pm 9.6\%$
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 KHz)	5G NR FR2 TDD	5.96	$\pm 9.6\%$
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	$\pm 9.6\%$
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAW, 120 KHz)	5G NR FR2 TDD	6.53	±9.6%
10885	AAD	5G NR (DFT-s-OFDM, 100 % RB, 50 MHz, 100 AM, 120 KHz)	5G NR FR2 TDD	6.61	$\pm 9.6\%$
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10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6%
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6%
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6%
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933		5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935		5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937		5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QFSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938		5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.90	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QFSK, 15 KHz)	5G NR FR1 FDD	5.82	$\pm 9.6\%$
10939		5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	$\pm 9.6\%$ $\pm 9.6\%$
10940		5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.83	$\pm 9.6\%$
10941		5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.85	$\pm 9.6\%$
10942			5G NR FR1 FDD		
10943		5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95 5.81	± 9.6 % ± 9.6 %
10944		5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD		$\pm 9.6\%$ $\pm 9.6\%$
				5.85	
10946		5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949		5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950		5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
			5G NR FR1 FDD	1 9 7 6	1 2060/
10952 10953		5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25 8.15	± 9.6 % ± 9.6 %

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10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±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.

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Multilateral Agreement for the recognition of calibration certificates

Client PC Test

Certificate No: EX3-7527_Mar20

Accreditation No.: SCS 0108

CALIBRATION CERTIFICATE Object EX3DV4 - SN:7527 Calibration procedure(s) QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes Calibration date: March 17, 2020 This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.</td>

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	27-Dec-19 (No. DAE4-660_Dec19)	Dec-20
Reference Probe ES3DV2	SN: 3013	31-Dec-19 (No. ES3-3013_Dec19)	Dec-20
Secondary Standards		Check Date (in house)	
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	Scheduled Check 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-19)	In house check: Oct-20

	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	M/4/
			11.18×1
Approved by:	Katja Pokovic	Technical Manager	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
			della
This calibration certificate	a shall not be reproduced event in full	E. Million, etc., the	Issued: March 18, 2020

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

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

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
- IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handb) held 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
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz" d)

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 $f \le 800$ 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 $(\mu V/(V/m)^2)^A$	0.35	0.38	0.59	± 10.1 %		
DCP (mV) ^B	103.2	100.3	99.1			

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB√µ∨	С	D dB	VR mV	Max dev.	Max Unc ^E
0	CW	X	0.00	0.00	1.00	0.00	151.9	± 3.0 %	(k=2) ± 4.7 %
		Y	0.00	0.00	1.00	0.00	141.6	1 1 0.0 %	1 14.7 70
		Z	0.00	0.00	1.00		152.8	1	
10352- Pi AAA	Pulse Waveform (200Hz, 10%)	X	3.49	69.32	12.16	10.00	60.0	± 3.1 %	± 9.6 %
		Y	1.64	62.00	8.65	10.00	60.0	- J.I /0	I 9.0 %
		Z	20.00	88.52	18.64	-	60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	4.17	73.88	12.78	6,99	80.0	± 2.0 %	± 9.6 %
AAA		Y	1.29	63.36	7.97		80.0		
		Z	20.00	90.75	18.56	1	80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	20.00	88.76	15.83	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Y	0.43	60.13	5.05		95.0	1.0 /0	1 2 0.0 70
		Z	20.00	96.64	20.01		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	20.00	93.75	16.95	2.22	120.0	± 1.8 %	± 9.6 %
AAA		Y	8.57	85.90	0.17		120.0	2 1.0 70	40.0 %
		Z	20.00	107.09	23.44		120.0		
10387-	QPSK Waveform, 1 MHz	X	1.57	68.03	15.29	1.00	150.0	± 3.6 %	±9.6 %
AAA		Y	1.35	67.00	14.27		150.0	- 010 70	- 0.0 /0
		Z	1.76	68.85	16.08		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.03	67.70	15.72	0.00	150.0	± 1.1 %	±9.6 %
AAA		Y	1.84	66.85	15.14		150.0		- 0.0 /0
		Z	2.30	69.46	16.62		150.0		
10396-	64-QAM Waveform, 100 kHz	X	2.58	69.90	18.52	3.01	150.0	± 1.2 %	± 9.6 %
AAA		Υ	2.06	65.93	16.71		150.0		- 0.0 /0
		Z	2.94	71.66	19.42		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.38	67.02	15.78	0.00	150.0	± 2.3 %	± 9.6 %
AAA		Y	3.22	66.47	15.47		150.0		
10///		Z	3.55	67.78	16.21		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.64	65.80	15.63	0.00	150.0	±4.0 %	± 9.6 %
AAA		Υ	4.63	66.05	15.77		150.0		
		Z	4.65	65.49	15.53		150.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E^2 -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 C2 α **T1 T**2 Т3 **T4** T5 **T6** fF fF V-1 ms.V⁻² ms.V^{−1} V^{-₂} ms V-1 X 28.7 212.81 35.19 4.27 0.19 4.99 1.71 0.02 1.00 Y 27.0 205.35 36.59 3.61 0.22 5.02 0.00 0.29 1.00 Z 35.6 264.00 35.25 8.82 0.00 5.05 1.33 0.17 1.01

Sensor Model Parameters

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-29.1
Mechanical Surface Detection Mode	
Optical Surface Detection Mode	enabled
Probe Overall Length	disabled
	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	
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1 mm
Surface	1.4 mm