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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Client

Sporton

Certificate No: D2450V2-929_Nov19

CALIBRATION CERTIFICATE

Object D2450V2 - SN:929

Calibration procedure(s) QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

Calibration date: November 21, 2019

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: 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-19)	In house check: Oct-20
	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	BULL

Issued: November 25, 2019

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Certificate No: D2450V2-929_Nov19

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Glossary:

TSL

tissue simulating liquid

ConvF

sensitivity in TSL / NORM x,y,z

N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) 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	V52.10.3
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	38.2 ± 6 %	1.84 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	6.24 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.7 W/kg ± 16.5 % (k=2)

Certificate No: D2450V2-929_Nov19 Page 3 of 7

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	$52.6 \Omega + 5.2 j\Omega$
Return Loss	- 24.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.161 ns

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

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

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

Additional EUT Data

Manufactured by	SPEAG

Certificate No: D2450V2-929_Nov19

DASY5 Validation Report for Head TSL

Date: 21.11.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:929

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: f = 2450 MHz; $\sigma = 1.84 \text{ S/m}$; $\varepsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(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 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

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

Reference Value = 117.5 V/m; Power Drift = 0.07 dB

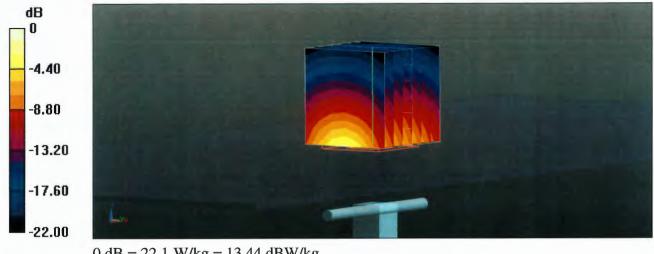
Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.24 W/kg

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

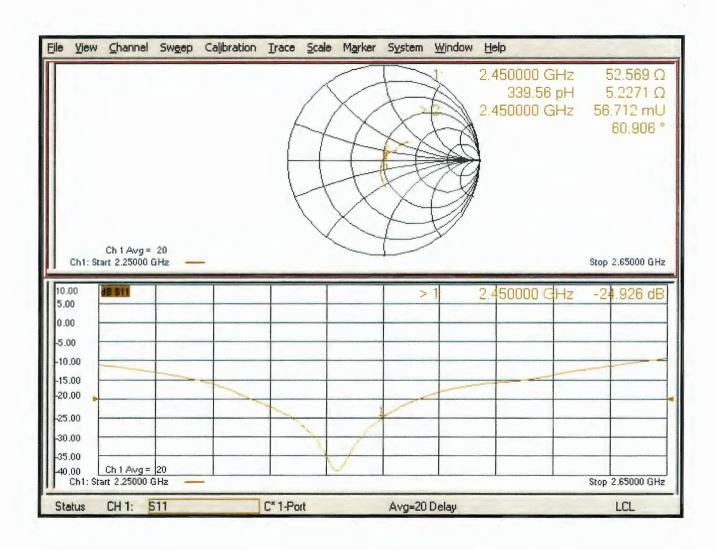
Ratio of SAR at M2 to SAR at M1 = 50.9%

Maximum value of SAR (measured) = 22.1 W/kg



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

Impedance Measurement Plot for Head TSL



Appendix: Transfer Calibration at Four Validation Locations on SAM Head¹

Evaluation Condition

Phantom	SAM Head Phantom	For usage with cSAR3DV2-R/L
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SAR result with SAM Head (Top \cong C0)

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	56.6 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR for nominal Head TSL parameters	normalized to 1W	26.3 W/kg ± 16.9 % (k=2)

SAR result with SAM Head (Mouth ≅ F90)

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	57.7 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR for nominal Head TSL parameters	normalized to 1W	27.6 W/kg ± 16.9 % (k=2)

SAR result with SAM Head (Neck \cong H0)

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	54.4 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR for nominal Head TSL parameters	normalized to 1W	25.2 W/kg ± 16.9 % (k=2)

SAR result with SAM Head (Ear \cong D90)

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	34.8 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR for nominal Head TSL parameters	normalized to 1W	17.5 W/kg ± 16.9 % (k=2)

Certificate No: D2450V2-929_Nov19

Additional assessments outside the current scope of SCS 0108



D2450V2, serial no. 929 Extended Dipole Calibrations

Referring to KDB 450824, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

<Justification of the extended calibration>

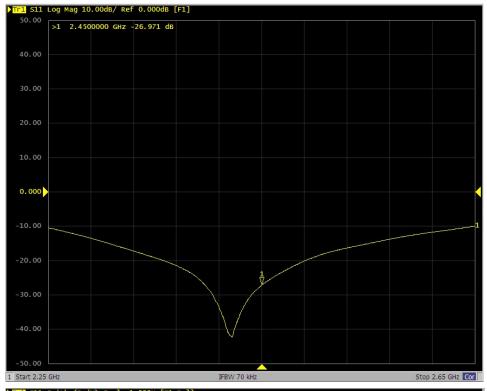
D 2450 V2 – serial no. 929						
		2450MHZ				
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
11.21.2019 (Cal. Report)	-24.926		52.569		5.2271	
11.20.2020 (extended)	-26.971	8.20	50.932	-1.637	4.4757	-0.7514
11.19.2021 (extended)	-23.805	-4.50	50.843	-1.726	5.6695	0.4424

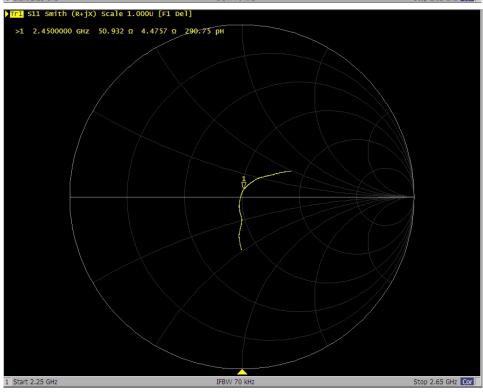
The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

TEL: 886-3-327-3456 FAX: 886-3-328-4978



<Dipole Verification Data> - D2450 V2, serial no. 929 (Data of Measurement : 11.20.2020) 2450 MHz - Head

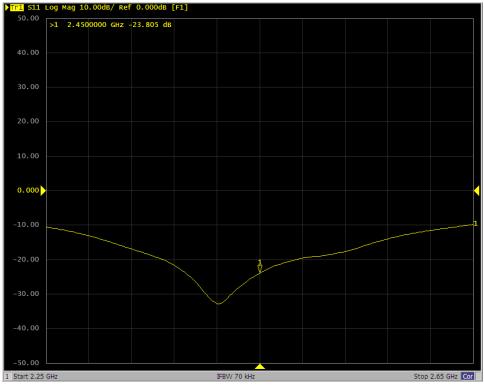


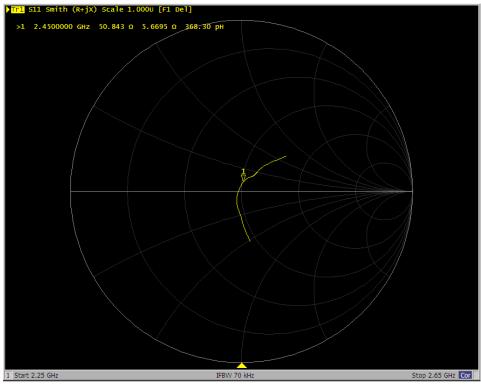


TEL: 886-3-327-3456 FAX: 886-3-328-4978



<Dipole Verification Data> - D2450 V2, serial no. 929 (Data of Measurement : 11.19.2021) 2450 MHz - Head





TEL: 886-3-327-3456 FAX: 886-3-328-4978

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Accreditation No.: SCS 0108

Client

Sporton

Certificate No: D5GHzV2-1006 Sep21

CALIBRATION CERTIFICATE

Object

D5GHzV2 - SN:1006

Calibration procedure(s)

QA CAL-22.v6

Calibration Procedure for SAR Validation Sources between 3-10 GHz

Calibration date:

September 15, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

ID#	Cal Date (Certificate No.)	Scheduled Calibration
SN: 104778		Apr-22
SN: 103244		Apr-22
SN: 103245		Apr-22
SN: BH9394 (20k)		Apr-22
SN: 310982 / 06327	그 그리고 원인 지역사 시간 사람들이 위한 트림생활 지수야 !	Apr-22
SN: 3503	[기가 (1886년) [기교 (1886년 1887년 기원 기원 (1887년 1887년	Dec-21
SN: 601	02-Nov-20 (No. DAE4-601_Nov20)	Nov-21
ID#	Check Date (in house)	Scheduled Check
SN: GB39512475	The state of the s	In house check: Oct-22
SN: US37292783		In house check: Oct-22
SN: MY41092317		
SN: 100972		In house check: Oct-22
SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22 In house check: Oct-21
Name	Function	Signature
Jeffrey Katzman	Laboratory Technician	A. Kohan
Katja Pokovic	Technical Manager	919,00
	SN: 104778 SN: 103244 SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 3503 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972 SN: US41080477 Name Jeffrey Katzman	SN: 104778

Issued: September 15, 2021

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Glossary:

TSL tissue simulating liquid

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Certificate No: D5GHzV2-1006_Sep21 Page 2 of 8

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz	

Head TSL parameters at 5250 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.7 ± 6 %	4.52 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	2777	

SAR result with Head TSL at 5250 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.24 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.7 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.35 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.2 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.2 ± 6 %	4.86 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	-111	2025

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.59 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	85.1 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.43 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.0 W/kg ± 19.5 % (k=2)

Certificate No: D5GHzV2-1006_Sep21 Page 3 of 8

Head TSL parameters at 5750 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.0 ± 6 %	5.01 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.22 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.4 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.31 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.9 W/kg ± 19.5 % (k=2)

Certificate No: D5GHzV2-1006_Sep21 Page 4 of 8

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	54.8 Ω - 8.9 jΩ	
Return Loss	- 20.3 dB	

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	56.3 Ω - 7.4 jΩ	
Return Loss	- 20.8 dB	

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	60.1 Ω + 3.3 jΩ	
Return Loss	- 20.3 dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1 100 pc
Electrical Delay (one direction)	1.199 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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Certificate No: D5GHzV2-1006_Sep21

DASY5 Validation Report for Head TSL

Date: 15.09.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1006

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

MHz

Medium parameters used: f = 5250 MHz; σ = 4.52 S/m; ϵ_r = 34.7; ρ = 1000 kg/m³, Medium parameters used: f = 5600 MHz; σ = 4.86 S/m; ϵ_r = 34.2; ρ = 1000 kg/m³, Medium parameters used: f = 5750 MHz; σ = 5.01 S/m; ϵ_r = 34; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.5, 5.5, 5.5) @ 5250 MHz, ConvF(5.1, 5.1, 5.1) @ 5600 MHz, ConvF(5.08, 5.08, 5.08) @ 5750 MHz; Calibrated: 30.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.11.2020
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

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

Reference Value = 78.78 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 28.2 W/kg

SAR(1 g) = 8.24 W/kg; SAR(10 g) = 2.35 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 70.6%

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

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

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

Reference Value = 78.99 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 8.59 W/kg; SAR(10 g) = 2.43 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 68%

Maximum value of SAR (measured) = 20.0 W/kg

Certificate No: D5GHzV2-1006_Sep21

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

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

Reference Value = 76.50 V/m; Power Drift = 0.00 dB

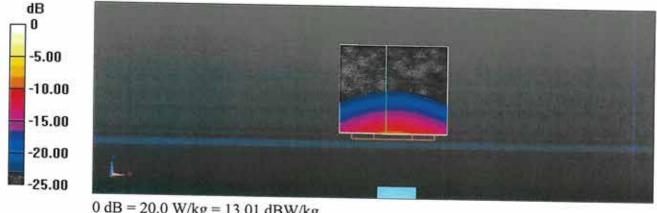
Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.31 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

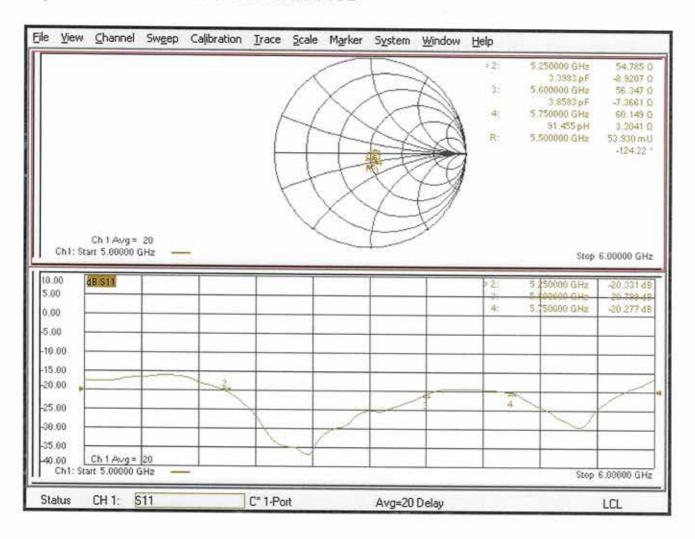
Ratio of SAR at M2 to SAR at M1 = 66.3%

Maximum value of SAR (measured) = 19.6 W/kg



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

Impedance Measurement Plot for Head TSL



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





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

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Client

Sporton

Accreditation No.: SCS 0108

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Certificate No: DAE4-316_Jan22

CALIBRATION (CERTIFICATE		
Object	DAE4 - SD 000 D	004 BM - SN: 316	
Calibration procedure(s)	QA CAL-06.v30 Calibration proces	dure for the data acquisition elec	etronics (DAE)
Calibration date:	January 26, 2022		
The measurements and the unce	rtainties with confidence pro	nal standards, which realize the physical un obability are given on the following pages an r facility: environment temperature (22 ± 3)°(d are part of the certificate.
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Keithley Multimeter Type 2001	SN: 0810278	31-Aug-21 (No:31368)	Aug-22
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Auto DAE Calibration Unit Calibrator Box V2.1	SE UWS 053 AA 1001 SE UMS 006 AA 1002	24-Jan-22 (in house check) 24-Jan-22 (in house check)	In house check: Jan-23 In house check: Jan-23
Calibrated by:	Name Dominique Steffen	Function Laboratory Technician	Signature
			REC.
Approved by:	Sven Kühn	Deputy Manager	i V. Blumr
This calibration certificate shall no	t be reproduced except in fo	ull without written approval of the laboratory.	Issued: January 26, 2022

Certificate No: DAE4-316_Jan22

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Calibration Laboratory of

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





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Accreditation No.: SCS 0108

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

Glossary

DAE data acquisition electronics

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

coordinate system.

Methods Applied and Interpretation of Parameters

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
 - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
 - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
 - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
 - Input Offset Measurement. Output voltage and statistical results over a large number of zero voltage measurements.
 - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
 - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
 - Power consumption: Typical value for information. Supply currents in various operating modes.

Certificate No: DAE4-316_Jan22

Page 2 of 5

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range:

1LSB =

6.1µV,

full range = -100...+300 mV

Low Range:

1LSB =

61nV .

full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	x	Y	Z
High Range	404.354 ± 0.02% (k=2)	404.471 ± 0.02% (k=2)	404.346 ± 0.02% (k=2)
Low Range	3.94615 ± 1.50% (k=2)	3.94156 ± 1.50% (k=2)	3.93735 ± 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	352.0 ° ± 1 °
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Certificate No: DAE4-316_Jan22

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	200037.31	3.07	0.00
Channel X	+ Input	20009.91	4.11	0.02
Channel X	- Input	-20006.43	-0.58	0.00
Channel Y	+ Input	200038.18	-0.84	-0.00
Channel Y	+ Input	20009.41	3.71	0.02
Channel Y	- Input	-20010.93	-4.94	0.02
Channel Z	+ Input	200036.49	-2.45	-0.00
Channel Z	+ Input	20008.57	2.91	0.01
Channel Z	- Input	-20011.15	-5.09	0.03

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2000.95	-0.21	-0.01
Channel X + Input	201.10	-0.06	-0.03
Channel X - Input	-199.24	-0.42	0.21
Channel Y + Input	2001.03	0.08	0.00
Channel Y + Input	199.86	-1.15	-0.57
Channel Y - Input	-200.38	-1.55	0.78
Channel Z + Input	2000.94	0.03	0.00
Channel Z + Input	200.21	-0.77	-0.38
Channel Z - Input	-200.14	-1.20	0.60

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	5.76	4.39
	- 200	-4.88	-5.46
Channel Y	200	-1.81	-1.86
	- 200	-1.60	-0.62
Channel Z	200	-15.50	-15.36
	- 200	12.60	13.48

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (μV)
Channel X	200		-1.34	-1.75
Channel Y	200	5.21	-	0.26
Channel Z	200	7.15	2.59	

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16021	15259
Channel Y	16059	16229
Channel Z	16145	17266

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input $10M\Omega$

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (μV)
Channel X	0.28	-0.78	1.30	0.38
Channel Y	-0.63	-1.59	0.33	0.37
Channel Z	-0.56	-1.52	0.29	0.38

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)	
Supply (+ Vcc)	+7.9	
Supply (- Vcc)	-7.6	

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9

s p e a

Zeughausstrasse 43, 8004 Zurich, Switzerland Phone +41 44 245 9700, Fax +41 44 245 9779 www.speag.swiss, info@speag.swiss DAE4 316 Spaten

IMPORTANT NOTICE

USAGE OF THE DAE4

The DAE unit is a delicate, high precision instrument and requires careful treatment by the user. There are no serviceable parts inside the DAE. Special attention shall be given to the following points:

Battery Exchange: The battery cover of the DAE4 unit is fixed using a screw, over tightening the screw may cause the threads inside the DAE to wear out.

Shipping of the DAE: Before shipping the DAE to SPEAG for calibration, remove the batteries and pack the DAE in an antistatic bag. This antistatic bag shall then be packed into a larger box or container which protects the DAE from impacts during transportation. The package shall be marked to indicate that a fragile instrument is inside.

E-Stop Failures: Touch detection may be malfunctioning due to broken magnets in the E-stop. Rough handling of the E-stop may lead to damage of these magnets. Touch and collision errors are often caused by dust and dirt accumulated in the E-stop. To prevent E-stop failure, the customer shall always mount the probe to the DAE carefully and keep the DAE unit in a non-dusty environment if not used for measurements.

Repair: Minor repairs are performed at no extra cost during the annual calibration. However, SPEAG reserves the right to charge for any repair especially if rough unprofessional handling caused the defect.

DASY Configuration Files: Since the exact values of the DAE input resistances, as measured during the calibration procedure of a DAE unit, are not used by the DASY software, a nominal value of 200 MOhm is given in the corresponding configuration file.

Important Note:

Warranty and calibration is void if the DAE unit is disassembled partly or fully by the Customer.

Important Note:

Never attempt to grease or oil the E-stop assembly. Cleaning and readjusting of the E-stop assembly is allowed by certified SPEAG personnel only and is part of the annual calibration procedure.

Important Note:

To prevent damage of the DAE probe connector pins, use great care when installing the probe to the DAE. Carefully connect the probe with the connector notch oriented in the mating position. Avoid any rotational movement of the probe body versus the DAE while turning the locking nut of the connector. The same care shall be used when disconnecting the probe from the DAE.

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Client

Sporton

Accreditation No.: SCS 0108

C

Certificate No: DAE4-1399_Feb22

Object	DAE4 - SD 000 D04 BM - SN: 1399			
Calibration procedure(s)	QA CAL-06.v30 Calibration proces	dure for the data acquisition elec	ctronics (DAE)	
Calibration date:	February 28, 2022	2		
The measurements and the unce	ertainties with confidence pro	nal standards, which realize the physical unobability are given on the following pages and facility: environment temperature (22 \pm 3)°(nd are part of the certificate.	
	ID#	Cal Date (Certificate No.)	Scheduled Calibration	
	ID # SN: 0810278	Cal Date (Certificate No.) 31-Aug-21 (No:31368)	Scheduled Calibration Aug-22	
Keithley Multimeter Type 2001		31-Aug-21 (No:31368)	Aug-22	
Primary Standards Keithley Multimeter Type 2001 Secondary Standards Auto DAE Calibration Unit Calibrator Box V2.1	SN: 0810278			
Seithley Multimeter Type 2001 Secondary Standards Auto DAE Calibration Unit	SN: 0810278 ID # SE UWS 053 AA 1001	31-Aug-21 (No:31368) Check Date (in house) 24-Jan-22 (in house check) 24-Jan-22 (in house check)	Aug-22 Scheduled Check In house check: Jan-23 In house check: Jan-23	
Secondary Standards Auto DAE Calibration Unit	SN: 0810278 ID # SE UWS 053 AA 1001 SE UMS 006 AA 1002	31-Aug-21 (No:31368) Check Date (in house) 24-Jan-22 (in house check)	Aug-22 Scheduled Check In house check: Jan-23	
Secondary Standards Auto DAE Calibration Unit Calibrator Box V2.1	SN: 0810278 ID # SE UWS 053 AA 1001 SE UMS 006 AA 1002 Name	31-Aug-21 (No:31368) Check Date (in house) 24-Jan-22 (in house check) 24-Jan-22 (in house check)	Aug-22 Scheduled Check In house check: Jan-23 In house check: Jan-23	

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Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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Glossary

DAE data acquisition electronics

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

coordinate system.

Methods Applied and Interpretation of Parameters

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- · Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
 - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
 - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
 - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
 - Input Offset Measurement: Output voltage and statistical results over a large number of zero voltage measurements.
 - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
 - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
 - Power consumption: Typical value for information. Supply currents in various operating modes.

Certificate No: DAE4-1399_Feb22

Page 2 of 5

DC Voltage Measurement A/D - Converter Resolution nominal

High Range:

1LSB = 6.1µV,

full range = -100...+300 mV full range = -1......+3mV

Low Range:

1LSB =

61nV,

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	x	Υ	Z
High Range	403.609 ± 0.02% (k=2)	403.869 ± 0.02% (k=2)	403.724 ± 0.02% (k=2)
Low Range	3.98239 ± 1.50% (k=2)	3.99270 ± 1.50% (k=2)	3.98082 ± 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	302.5 ° ± 1 °
---	---------------

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Inpu	t 199991.94	-0.85	-0.00
Channel X + Inpu	20002.02	0.33	0.00
Channel X - Input	-19999.93	1.85	-0.01
Channel Y + Inpu	199991.94	-1.42	-0.00
Channel Y + Input	19999.20	-2.42	-0.01
Channel Y - Input	-20003.17	-1.43	0.01
Channel Z + Input	199992.94	-0.07	-0.00
Channel Z + Input	20000.41	-1.33	-0.01
Channel Z - Input	-20003.13	-1.34	0.01

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2000.85	0.03	0.00
Channel X + Input	201.63	0.40	0.20
Channel X - Input	-198.31	0.49	-0.24
Channel Y + Input	2000.76	0.07	0.00
Channel Y + Input	200,43	-0.72	-0.36
Channel Y - Input	-199.62	-0.84	0.42
Channel Z + Input	2001.04	0.34	0.02
Channel Z + Input	200.59	-0.59	-0.30
Channel Z - Input	-199.42	-0.71	0.36

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	-4.83	-6.84
	- 200	7.91	6.29
Channel Y	200	-5.83	-6.38
	- 200	4.32	4.09
Channel Z	200	-7.17	-6.64
	- 200	4.59	5.19

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (µV)	Channel Z (μV)	
Channel X	200		4.26	-1.91	
Channel Y 200		9.47		6.23	
Channel Z	200	8.62	6.85	0.20	

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	15811	14612
Channel Y	16125	17249
Channel Z	15880	15199

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10MΩ

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (µV)	
Channel X	0.99	-0.08	1.83	0.31	
Channel Y	-0.33	-1.16	0.48	0.33	
Channel Z	-0.26	-1.30	1.26	0.42	

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)	
Supply (+ Vcc)	+7.9	
Supply (- Vcc)	-7.6	

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA	
Supply (+ Vcc)	+0.01	+6	+14	
Supply (- Vcc)	-0.01	-8	-9	

1399 Sporton

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IMPORTANT NOTICE

USAGE OF THE DAE4

The DAE unit is a delicate, high precision instrument and requires careful treatment by the user. There are no serviceable parts inside the DAE. Special attention shall be given to the following points:

Battery Exchange: The battery cover of the DAE4 unit is fixed using a screw, over tightening the screw may cause the threads inside the DAE to wear out.

Shipping of the DAE: Before shipping the DAE to SPEAG for calibration, remove the batteries and pack the DAE in an antistatic bag. This antistatic bag shall then be packed into a larger box or container which protects the DAE from impacts during transportation. The package shall be marked to indicate that a fragile instrument is inside.

E-Stop Failures: Touch detection may be malfunctioning due to broken magnets in the E-stop. Rough handling of the E-stop may lead to damage of these magnets. Touch and collision errors are often caused by dust and dirt accumulated in the E-stop. To prevent E-stop failure, the customer shall always mount the probe to the DAE carefully and keep the DAE unit in a non-dusty environment if not used for measurements.

Repair: Minor repairs are performed at no extra cost during the annual calibration. However, SPEAG reserves the right to charge for any repair especially if rough unprofessional handling caused the defect.

DASY Configuration Files: Since the exact values of the DAE input resistances, as measured during the calibration procedure of a DAE unit, are not used by the DASY software, a nominal value of 200 MOhm is given in the corresponding configuration file.

Important Note:

Warranty and calibration is void if the DAE unit is disassembled partly or fully by the Customer.

Important Note:

Never attempt to grease or oil the E-stop assembly. Cleaning and readjusting of the Estop assembly is allowed by certified SPEAG personnel only and is part of the annual calibration procedure.

Important Note:

To prevent damage of the DAE probe connector pins, use great care when installing the probe to the DAE. Carefully connect the probe with the connector notch oriented in the mating position. Avoid any rotational movement of the probe body versus the DAE while turning the locking nut of the connector. The same care shall be used when disconnecting the probe from the DAE.

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





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Client

Sporton

Certificate No: EX3-3931_Oct21

CALIBRATION CERTIFICATE

Object EX3DV4 - SN:3931

Calibration procedure(s) QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v6, QA CAL-23.v5,

QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

October 21, 2021

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).

The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP SN: 104778		09-Apr-21 (No. 217-03291/03292)	Apr-22
Power sensor NRP-Z91	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-Z91	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22
Reference 20 dB Attenuator	SN: CC2552 (20x)	09-Apr-21 (No. 217-03343)	Apr-22
DAE4	SN: 660	23-Dec-20 (No. DAE4-660_Dec20)	Dec-21
Reference Probe ES3DV2	SN: 3013	30-Dec-20 (No. ES3-3013_Dec20)	Dec-21
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
Network Analyzer F8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22

Calibrated by:

Deffrey Katzman

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: October 23, 2021

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

Certificate No: EX3-3931_Oct21

Page 1 of 22

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Swiss Calibration Service

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Glossary:

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

CF A, B, C, D

DCP

crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 9

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

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

Connector Angle

Certificate No: EX3-3931_Oct21

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

Calibration is Performed According to the Following Standards:

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

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

Methods Applied and Interpretation of Parameters:

 NORMx,y,z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).

NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is
implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included
in the stated uncertainty of ConvF.

DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.

 PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics

 Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.

ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.

 Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.

 Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.

 Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required). EX3DV4 - SN:3931 October 21, 2021

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3931

Basic Calibration Parameters

<u></u>	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μ <u>V/(V/m)²)^</u>	0.50	0.55	0.49	± 10.1 %
DCP (mV) ^B	9 8.5	100.9	102.1	

Calibration Results for Modulation Response

סוע	Communication System Name		dB	iqBγbΛ jB	C	D σΒ	VR mV	Max dev.	Max Unc ^e (k=2)
0	CW	X	0.00	0,00	1.00	0.00	158.1	± 3.5 %	± 4.7 %
		Y	0,00	0.00	1.00	•	147.6	1	
		Z	0.00	0.00	1,00	•	137.9	1	
10352-	Pulse Waveform (200Hz, 10%)	X_	20.00	96.10	23.12	10.00	60.0	± 3.6 %	∄ 9.6 %
AAA .		Y	20.00	, 95.65	24.10	1 <u>:</u>	60,0	1	
		<u> </u> z	20.00	95,91	23.51	i	60.0	1	
	Pulse Waveform (200Hz, 20%)	X	20.00	105.96	25.95	6.99	8 0.0	± 2.6 %	± 9.6 %
ዺ ዺዹ		Y	20.00	96 .16	23,24		80.0		
		Z	20.00	97.5 6	23.45		80.0		
10354-	Pulse Waveform (200Hz, 40%)	_ X	20.00	137.96	40.58	3,98	95.0	±1.5%	± 9.6 %
۸۸۸		_ Y_	20.50	100.09	23.74		95.0]	i
		Z	20.00	103.73	25.22		95.0	`	
10355	Poise Waveform (2001 iz, 60%)	X	5.17	160.00	56.75	2.22	120.0	± 1.4 %	± 9.6 %
AAA	İ		20.00	107.08	25.66		120.0	I	
		Į Z	20.00	112.66	28.09		120.0		
103 87 -	OPSK Wavelorm, 1 MHz	X	2.82	77.76	20.56	1.00	150.0	#2.5%	+9.6%
AAA		I Y	1.79	66.64	15,58		150.0		İ
=		Z	1.73	66.50	15.34		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.86	73.89	19.27	0.00	150.0	±1.7 %	± 9.6 %
AAA		<u>Y</u>	2.41	69.10	15.34		150.0		
		Z.	2,28	68.31	16.00	<u></u>	150.0		,.,
10396-	64-CIAM Waveform, 100 kJ lz	X	2.27	68.74	19.38	3.01	150.0	± 1.8 %	± 9.8 %
AAA		<u>Y</u>	3.55	73.70	20.45		150.0		
40000	54 044 144	Z	3.37	73.52	20.41		150.0		
10399- AAA	64-QAM Waveform, 40 MHz	X	3,73	68,91	17.17	0.00	150.0	± 1.8 %	± 9.6 %
~~~		<u>Y</u> _	3.64	67.67	16.10		150.0		
10414-	THE ALL CODE OF CASE ASSESSED.	Z	3.55	67.29	15.90		150.0		
10414- AAA	WLAN CCDF, 64 QAM, 40MHz	X	4.85	66.45	16.31	0.00	150.0	± 2.1 %	±9.6%
		Y	4.83	65.3 <b>5</b>	15.42		150.0		
	J		4.90	65.78	15.61		150.0	L	l

Note: For details on UID parameters see Appendix

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

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

Numerical linearization parameter; uncertainty not required.

It theories is determined using the maximum from linear response applying rectangular distribution and is expressed for the square of the field value

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# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3931

### Sensor Model Parameters

	C1	C2	α	Т1	T2	Т3	T4	T5	T6
	fF .	fF	V-1	ms.V ⁻³	ms.V ⁻¹	ms	V-3	_V-1	[
X	33.3	249.23	36.01	10.04	0.00	5.10	0.00	0.19	1.01
Y	51.8	383.36	35.03	20.83	0.55	5.10	1.41	0.27	1.01
Z	45.4	332 99	34.54	19.89	0.08 i	5.10	1.99	0.09	1.01

#### Other Probe Parameters

Sensor Arrangement	Triangular
Connec;or Angle (°)	-43.4
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disablad
Probe Overall Length	337 mm
Probe Body Diameter	10 <b>m</b> m
Tip Length	9 गाग
Tip D'ameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Senser Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1,4 mm

Note: Measurement distance from surface can be increased to 3-4 mm for an Area Scan job.

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:3931

Calibration Parameter Determined in Head Tissue Simulating Media

	Relative	Conductivity					Depth ^G	Unc
f (MHz) ^c	Permittivity*	(S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	_ (mm)	<u>(k=2)</u>
6	55.0	0.75	20.84	20.84	20.84	0.00	1.00	± 13.3 %
13	55.0	0.75	18,36	18.36	18.36	0.00	1.00	± 13.3 %
750	41.9	0.89	10.36	10.36	10.36	0.30	0.96	± 12.0 %
835	41.5	0.90	9.80	9.80	9.80	0.36	1.01	± 12.0 %
900	41.5	0.97	9.56	9.56	9.56	0.45	0.88	± 12.0 %
1450	40.5	1.20	8.87	8.87	8.87	0.39	0.80	± 12.0 %
1750	40.1	1.37	8.60	8.60	8.60	0.38	0.86	± 12.0 %
1900	40.0	1.40	8.25	8.25	8.25	0.34	0.86	± 12.0 %
2000	40.0	1.40	8.11	8.11	8.11	0.34	0.86	± 12.0 %
2300	39.5	1.67	7.77	7.77	7.77	0.33	0.90	± 12.0 %
2450	39.2	1.80	7.52	7,52	7.52	0.40	0.90	± 12.0 %
2600	39.0	1.98	7.30	7.30	7.30	0.40	0.90	± 12.0 %
3300	38.2	2.71	7.28	7.28	7.28	0.30	1.35	+ 14.0 %
3500	37.9	2.91	7.14	7.14	7.14	0.30	1.35	± 14.0 %
3700	37.7	3.12	7.03	7.03	7.03	0.30	1.35	± 14.0 %
3900	37.5	3.32	6.55	6.55	6.55	0.35	1.60	± 14.0 %
4100	37.2	3.53	6.39	6.39	6.39	0.40	1.69	± 14.0 %
4400	36.9	3.84	6,10	6.10	6.1D	0.40	1.60	± 14.0 %
4600 j	26.7	4.04	6.05	6.05	6.05	0.40	1.70	± 14.0 %
4800	36.4	4.25	5.93	5.93	5.93	0.40	1.70	± 14.0 %
4950	36.3	4.40	5.70	5.70	5.70	0.40	1,80	± 14.0 %
, 5250	35.9	4,71	5.10	5.10	5.10	0.40	1.80	± 14.0 %
5600	35.5	5.07	4.39	4.39	4.39	0.40	1.80	± 14.0 %
5750	35.4	5.22	4.73	4.73	4.73	0.40	1.80	± 14.0 %

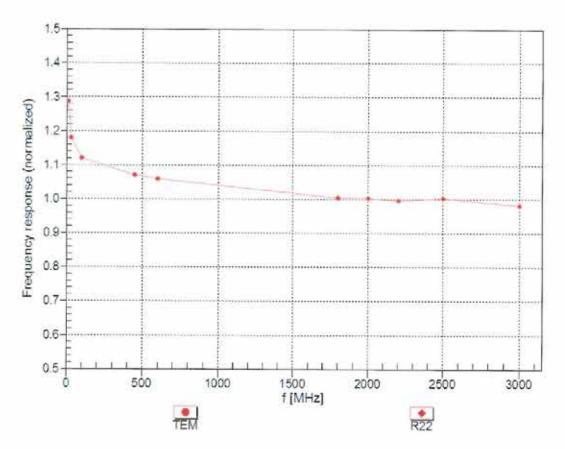
Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  50 MHz. The uncertainty is the RSS of the ConvP uncertainty at calibration (requency and the uncertainty for the indicated frequency band. Frequency validity heliow 300 MHz is 10, 25, 40, 50 and 70 MHz for ConvP assessed at 0 MHz is 4-9 MHz, and ConvP assessed at 10 MHz, and ConvP assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity on be extended to ± 110 MHz.

of which is 419 winz, this conversions at 15 MHz is 919 MHz. Above 5 GHz requency valuery can be extended to £ 110 MHz.

All requencies up to 6 GHz, the validity of tissue parameters (clandin) can be relaxed to £ 10% If Liquid compensation formula a applied to measured SAR values. The uncertainty is the RSS of the Converted for indicated target tissue parameters.

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

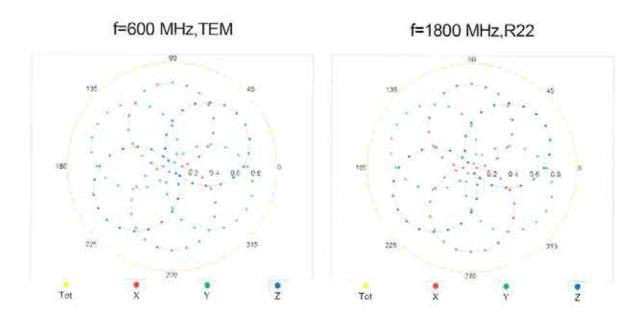
# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

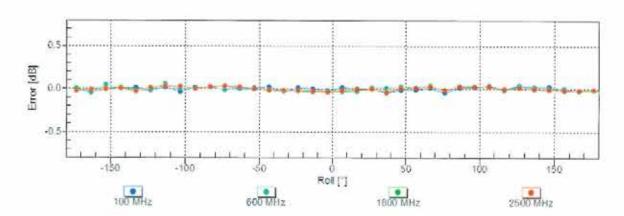


Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

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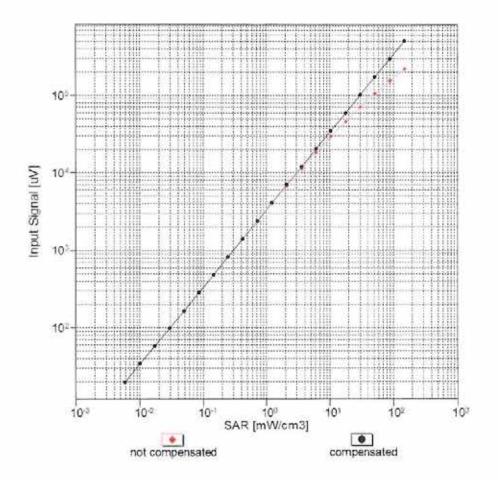
## Receiving Pattern (φ), θ = 0°

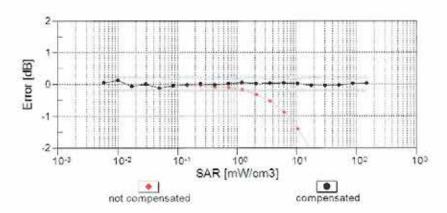




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

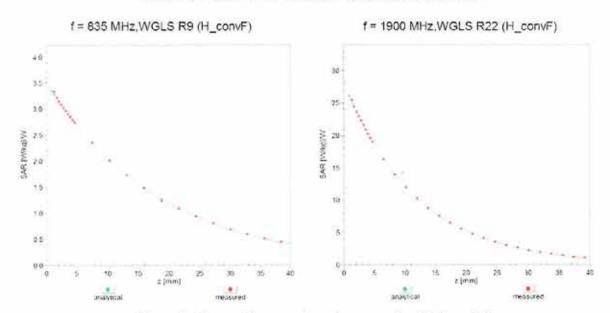




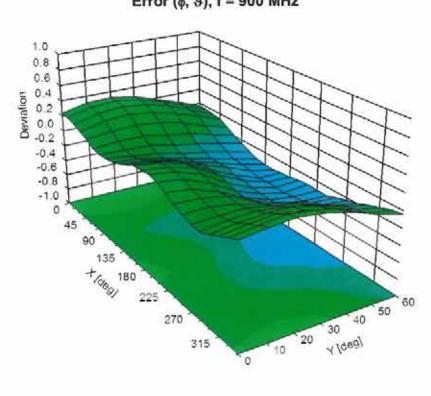
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

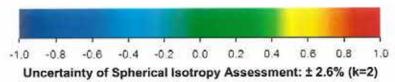
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## **Conversion Factor Assessment**



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





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Appendix: Modulation Calibration Parameters

ŲΙĐ	Rev	Communication System Name	Group	PAR (dB)	Uлс ^ь (k=2)
С	-	CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	СЛВ	UMTS-FOO (WCDMA)	WCDMA	2.91	±96%
10012	CAB	IEEE 802.116 WiFi 2.4 GHz (USSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6%
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAG	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-PDD (TDMA, GMSK, TN 0-1)	GSM	6 56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, IN 0)	GSM	12.62	18.6%
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	i GSM	9.55	+ 2.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6%
10028	DAC	GPRS-FOD (TOMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6%
10029	DAC	EDGE-FDD (TDMA, 6PSK, TN 0-1-2)	GSM	7.78	±9.6%
10030	CAA	IEEE 802,16.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.8 %
10031	CAA	IEEE 802,15.1 Bluetcoth (GHSK, DH3)	Bluetcoth	1.87	1 9.6 %
10032	· <del>-</del>	IEEE 802.15.1 Bluetoolh (GFSK, DH5)	Bluetooth	1.16	+ 9.6 %
10032	CAA	IEEE 802,15,1 Bluetooin (PI/S-DQPSK, DH1)	Bluelooth	7.74	± 9.6 %
		IEEE 802,15.1 Bluetooth (PI/4-DQPSK, DI13)	Bluelooth	4.53	± 9.6 %
10034	;	(EE6 802,15.1 Bluetooth (PI/4-DQPSK_DH5)	Bluetooth	3.83	± 9.6 %
10035	CAA	EEE 802.15.1 Shielooth (8-DPSK, 0.41)	Bluetooth	8.01	± 9.6 %
10035	CAA	<u> </u>	Bluetooth	4.77	196%
10037	CAA	IEEE 802.15.1 Bluefooth (8-DPSK, 9H3) IEEE 802.15.1 Bluefooth (8-DPSK, 0H5)	Bisetooth	4.10	± 9.6 %
10038	CAA		CDMA2000	1 4.57	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)   IS-54 / (S-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10042	CAB_	·	AMPS	0.00	± 9.6 %
10044	CAA	I IS-91/EIA/TIA-563 FDD (FDMA, FM)	DECT	13.80	±9.6 %
10048	CAA	DECT (TDD, TOMAYEDM, GFSK, Full Stot, 24)	DECT	10.79	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Souble Slot, 12)	TD-SCDMA	11.01	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	GSM	6.52	- 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)		2.12	± 9.6 %
10059	CAB	ISSE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN WLAN	2.83	± 9.6 %
10060	CVB	IEEE 802.11b W.Fr 2.4 GHz (DSSS, 5.5 Mbps)		3.60	± 9.6 %
10061	CVS	ISSE 802.116 W:Hi 2.4 GHz (D\$88, 11 Mbps)	WLAN		± 9.6 %
10062	CAD	IEEE 802.11a/li WiFi 5 GH₂ (OFDM, 6 Mbps)	WLAN	8.68 8.63	± 9.6 %
10083	CAD	IECC 802.11a/h W/Fi 5 CH2 (OFDM. 9 Mbps)		—·- <b>-</b> 1	± 9.6 %
10064	CAD	IFFE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	4
	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	1:9,6 %
10066	CAD	IEEE 802.112/h W/FI 5 GHz (OFDM, 24 Mbps)	- WLAN	9.38	± 9.6 %
10067	CVD	IEEE 802.11a/h W.Fi 5 GHz (OFDM, 36 Mbps)	WI AN	10.12	±9.6%
10068	CVD	IEEE 802.11e/h WiFi 5 GHz (OFDM, 48 Mbps)	WI AN	10,24	± 9.6 %
10069		IEEE 802.11a/a WiHi 5 GHz (OFDM, 64 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiSi 2.4 GHz (DSSS/OFDM, 0 Mops)	WLAN	, 9.83	±9.6%
10072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mups)	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 (D\$S\$/OFDM, 36 Mbps)	WLAN		±9.6%
10076	CAB	IEEE 802.11g WiFt 2.4 GHz (USSS/OFDM, 48 Mbps)	WLAN	10 <u>.94</u>	± 9.6 %
10077	CAB	IEEE 802.11g WiFt 2.4 GHz (DSSS/OFDM, 84 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FOD (TDMA/FDM, PI/4-DQPSK, Fullrate)	, AMPS	4.77	+ 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TX 0-4)	GSM	6.56	- 9.6 %
10097	CAB	CMTS-FDD (HSDPA)	WCDMA	3.98	±9.6%
10098	<del></del>	LMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	+	EDGE-FOO (TOMA, BPSK, TN U-4)	GSM	9.55	! ± 9.6 %

10100	L O A L :	LITE STOLL OUR COMM. ARRIVED BY ARRIVED BY ARRIVED BY	·		
10100	CAE	LTE-FDU (SC-FDMA, 100% RB, 20 MHz, QPSK)	I.TE-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-FOD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTF-TOD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9,29	1:9.6%
10104	CAG	LTE TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	TIE-LOD	9.97	±9.6%
10105	CAG	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10,01	± 9,5 %
10198	CAG	Life-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	I.TE-FDD	5.80	j ± 9.6 %
10109	CAG	LTE-FDD (SC-FDMA, 100% R8, 10 MHz, 18-QAM)	LTE-FDD	6.43	± 9.6 %
10/10	CAG	LTE-FDD (SC-FDMA, 100% R8, 5 MHz, QPSK)	LTE-FOD	5.75	± 9.6 %
10111		LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-OAM)	LTE-FDO	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LIE-FDD	6 59	J-9,6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)		6 62	± 9.6 %
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbcs, BPSK)	WLAN	8,10	± 9.6 %
10115	CVD	IDEC 002.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CVD	IFEE 802.11n (HT Greenfield, 125 Mbps, 84-QAM)	WLAN	8.15	± 9.6 %
10117	CAD	IEEE 802,11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6%
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM)	WLAN	0.59	196%
10119	CAD	I&EE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	+9.6%
10140	CAF;	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	TF-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 16 MHz, 64-QAM)	LTE-FDD	6.53	± 9.0 %
10142	CAE	1.TE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	TE FDD	5.73	±9.6%
10143	CAE	TTE FDD (SC-FDMA, 100% RB, 3 MHz, 16-DAM)	LTE-FDD	B.35	± 9.6 %
10144	CAE	LTE-FDD (SC-HDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	L'I'E-FDD	5.76	196%
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	B.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% R8, 1.4 MHz, 84-QAM)	LTE-FDD	6.72	±9.6%
10149	CAE	CTE-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	LIE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LIE-IDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TOD	9.92	±9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	10.05	4.9.6 %
10154	·	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 60% RB, 10 MHz, 16-QAM)	LTE-FDD		±9.6%
10156	CAG	LTE FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE FDD	6.43 5.79	±9.6 %
10157	CAG	LTE-FDD (SC-PDMA, 50% RB, 5 MHz, 16-QAM)		<del></del> -	
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 13 MHz, 64-QAM)	LTE-FOD	8.49	± 9.6 %
10159	CAG		LTE-FOD	6.62	± 9.8 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FOD	6.56	± 9.6 %
			LTE-FDD	5.82	19.6%
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-CAM)	LTE-FOD	0.43	± 9.6 %
10162	CAE	LTE-FDD (SC FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FOD (SC-FDMA, 50% RB, 1.4 MHz, OPSK)	LTE-FDD	5.46	± 9.6 %
10187	CAF	LTE-FOD (SC-FDMA, 50% RB. 1.4 MHz, 16-OAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FOD (SC-FDMA, 50% R3, 1.4 MHz, 64-QAM)	LTE-FOD	6.79	. ± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5,73	± 9.6 %
10170	CVE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)		6.52	: 9.6 %
10171	AAE	TTE-FDD (SC-FDMA, 1 RB, 20 MH₂, 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-GAM)	LTE-TDD	9.48	±9.6%
10174	GAG	LIE-TOD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDO	10.25	±9.6%
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FD2	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 18-QAM)	LTE-FOD	6.52	+ 9.6 %
10177	CAL	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QHSK)	LTE-FOD	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, 84-QAM)	LTE-FDD	6.50	±9.6%
10180	CAG	LTE-PDD (SC-FDMA: 1 RB, 5 MHz, 64-QAM)	LTE-FDD	8.50	±9.6%
10181	CAF	TTE-FDD (SG-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	±9.6%

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10182	CAE	LTE FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	L1E-FDD	6,52	± 9.6 %
10183	AAD	LTE-FOD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	x 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MLH, QPSK)	1.TE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16 QAM)	LTE-FDD	6.51	± 9.6 %
10086	ME	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FOD	6.50	± 9.6 %
10187	CAF	, LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, CPSK)	LTE-FD0	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	1 8.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CVD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IFEE 802.11n (HT Greenfield, 65 Mbps, 64-DAM)	WLAN	8.21	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 8.6 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	196%
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mhps, 64-QAM)	WLAN	6.27	±86%
10219	CAD	EEE 802.11n (HT Mixed, 7,2 Mags, BP\$K)	WLAN	8.03	± 9.6 %
10220	CVD	IEFE 602.11n (HT Mixed, 43.3 Maps, 18-GAM)	WLAN	6.13	± 9.6 %
10221	CAD	FEE 802.11n (H7 Mixed, 72.2 Maps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	(EEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	:EEE 802.11n (HT Mixed, 30 Mbps, 16-OAM)	WLAN	8.48	±9,6 %
10224	CAD	!EEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	4, 9,6 %
10225	CAB	UMTS-FDD (RSPA+)	WCDMA		
0725	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 18-QAM)		5.97	±9.6%
10227		LTE-TOD (SC-FDMA, 1 RB, 1,4 MHz, 64-QAM)	LTE-TOD	9.49	±9.6%
10228		LTE-TDD (SC-FOMA, 1 RB, 1.4 MHz, QPSK)	LTE-TOD	10.26	± 9.6 %
	CAB		LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TOD	9,48	± 9.6 %
10230		LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RR, 3 MHz, QPSK)	LTE-TOD	9.19	+9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	1.TE-TOD	9,48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM)	LTE TOD	10.25	±9.6%
10234	CAG	LTE-TDD (SC-FDMA, 1 HB, 5 MHz, QPSK)	LTE-TOD	9.21	±9.6%
10235	CAG	LTE-TDD (SC-PDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TOD	9.48	± 9.6 %
10236	CAG	LTS-TCD (SC-FDMA, 1 RB, 10 MHz, 61-QAM)	LIE-IOD	10.25	1.9.6 %
10237	CAG	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TOD	9.21	+ 9.6 %
10238	CAF	LTE-TDD (SC-FOMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTF-T00 (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TOD (SC-FDMA, 1 RB. 15 MHz, QPSK)	LTE TDD	9.21	(±9.6%)
10241	CAB	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 1.6-CAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TOO (SC-FDMA, 50% RB, 1.4 MHz, 64-GAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHx, QPSK)	LTE-TOD	9 46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RR, 3 MHz, 16-QAM)	LTS-TOD	10.06	£ 8.6 %
10245	CAD	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 64 QAM)	LTE-TOD	10,06	± 9.6 %
10246	CAD	TTF-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOO	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC FDMA, 50% RB, 5 MHz, 18-QAM)	LTE-TDD	9.91	±9.6%
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-DAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TOD (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)	LIE-TDD	9.81	± 9.6 %
10251		LTF-TDD (SC-FDMA 50% RB, 10 MHz, 64-QAM)	L.TF-TDD	10.17	+ 9.6 %
10252	CAG	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10263	CAF .	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 16-OAM)	LTE-TDD	9.90	± 9.6 %
10264	CAF	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TOD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 35 MHz, QPSK)	LTE-TDD	; 9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz. 16-QAM)	STE-TOD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64 QAM)		<del></del>	-
10255	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	<u>ETC-TDD</u>	10.08	19.6%
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	TF-TDD	9.34	+96%
10260	CAD	LTE TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TOD	9.98	± 9.6 %
.0200	UMD	THE TOO TO HELD TOOK TO, O THERE, OF CAMPAY	LTEITOD	9.97	± 9.6 %

10261	CAB	LYC TED (CO EDMA 4000) FOR A MILE DEDICE			
1	CAD	LTS-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TOD	9.24	± 9.8 %
10262	CAG	LTS-TDD (SC-FDMA, 100% RB, 5 MHz, 10-QAM)	LTE-TDD	9.83	± 9.8 %
10263	CAC	LTS-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE TOD	10.16	± 9.5 %
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, 18-QAM)	LTE-I'DD	9.92	± 9.5 %
10266	CAG	[TE-TOD (SC FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TOD	10.07	±9,6%
10267	CAG	T.TE-TOO (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOO	9.30	≃ 9.6 %
10268	CAF	LTE-TOD (SC-FUMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.08	£ 9.6 %
10269	CAF	LTE-TOD (SC-FDMA, 100% RR, 15 MHz, 64-QAM)	, LTS-TOD	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, Subject 5, 3GPP Re/8.10)	WCDMA	4.07	+9.6%
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3CPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	914S	11.81	± 9.6 %
10278	CAA	PHS (OPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279_	CAA	PHS (OPSK, BW 984MHz, Rolloff 0.38)	PH\$	<b>12.18</b>	± 9.6 %
10290	AAD	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	19.6%
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	AAS	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10296	AAB	GDMA2000, RC1, SO3, 1/8th Rate 26 fr.	CDMA2000	12.49	±9.6 %
102 <b>97</b>	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE FOD	5.81	± 9.8 %
102 <b>9</b> 8	_AAQ	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FCD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FUU	6.39	J: 9.5 %
10300	AAD	LTE-FCD (SC-FOMA, 50% RB, 3 MHz, 64-QAM)	LTE-FOD	6.60	± 9.6 %
10301	AAA	(EEE 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	1EEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64OAM, PUSC)	W:MAX	11.86	± 9.6 %
10305	$\Lambda\Lambda\Lambda$	ISSE 802.16e WiMAX (31.15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15,24	. 9.6 %
10306	ΛΑΑ	IEEE 802.16e WiMAX (29.18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	± 9.6 %
10307	AAA.	IEEE 802.16c 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, 16 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	iDEN	10.51	+96%
10314	AAA	iDEN 1:6	IDEN	13.48	+9.6%
10315	AAB	IEEE 802.116 WiFi 2.4 CHz (OSSS, 1 Mbps, 96pc de)	WLAN	. 1.71	± 9.6 %
103:5	AAB	:EEE 802.11g WiFi 2.4 GHz (ERP-OFOM, 6 Mbps, 96pc dc)	WLAN	B.36	± 9.6 %
10317	AAD	EEE 802.11a VMF/ 5 GHz (OFDM, 6 Mbps, 98pc cc)	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	± 9.8 %
10354	۸۸۸	Pulse Waveform (200Hz, 40%)	Genetic	3,98	± 9.5 %
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	OPSK Waveform, 10 MHz	Generio	5.22	± 9.6 %
10396	ΑΛΛ	64-QAM Wayeform, 100 kHz	Generic	6.27	± 9.6 %
10399	ΔΔΑ	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6 %
10400	AAE	IFFF 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	
10401	AAE	REEE 802.11ac WiFi (40MHz, 64-QAM, 98pc dc)	WLAN		± 9.6 %
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc.dc)	WLAN	0.60	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)		8.53 2.76	±9.6%
10404	AAB	CDMA2000 (1xEV-OC, Rev. A)	CDMA2000	3.76	± 9.6 %
10/106	AAB	CDMA2000, RC3, SO32, SCH0, Full Rete	CDMA2000	3.77	± 9.6 %
10410	AAG	: TE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	CDMA2000	5.22	± 9.6 %
10410	1.070	- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	LTE-TOD	7.82	± 9.6 %

10414	AAA	WLAN GCDF, 64-QAM, 40MH≵		1054	T . a a re
10415		IEEE 002.116 WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc de)	Generic	8.54	±9,6%
10415	AAA	IFEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10417	AAC	PEEE 802.11a/n WiFi 5 GHz (OPDM, 6 Mbps, 99pc dc)	WLAN WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 5 Mbps, 99pc, Long)	WLAN	8.23 8.14	±9.6%
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 98pc, Short)	WLAN		19.6%
10422	AAC	IEEE 802.11n (ifT Greenfield, 7.2 Mbps, BPSK)	WI.AN	8.19 8.32	+9.6%
10423	MC	IEEE 802,11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	iEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6 %
10425	AAC	IEEE 602,11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	B.41	± 9.6 %
10428	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	iEEE 802.11n (HT Greenfield, 450 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	B.38	± 9.6%
10432	AAC	LTE-FDD (OFDMA, 16 MHz, E-TM 3.1)	LTE FDD	8.34	± 9.6 %
10433	AAC	U"E-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCUMA	8.80	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTC-TDD	7.82	19.6%
10447	AAD	LTC-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	UTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Olippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFOMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE FOD	7.51	± 9.6 %
10450	AAC	LTE-FOD (OFOMA, 20 MHz, E-TM 3.1, Olipping 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	± 9.8 %
10456	AAC	IESE 802.11ac WiFl (100MHz, 64-QAM, 99pc dc)	WLAN	8.63	+ 9.6 %
10457	AAA	UMTS-FOO (DC-HSDPA)	WCDMA	6.62	+ 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B. 2 carners)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1x2V-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FOO (WCDMA, AMR)	WCDMA	2.39	±9.8%
10461	AAB	LTE-TOD (SC-FOMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TOD	7.82	± 9.8 %
10462	AAB	LTE-TOD (SC-FOMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LIETOD	8.30	± 9.6 %
10463	AAB .	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 64 QAM, UL Sub)	LTE-TOD	8.56	£ 9.6 %
10464	AAC	LTE-TOD (SC-FOMA, 1 RB. 3 MHz, QPSK, UL Sub)	LTE-TOD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FOMA, 1 RB, 2 MHz, 18-DAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466 [	AAC	LTE-TOD (SC-FOMA, 1 RB, 3 MHz, 64-OAM, UL Sub)	LTE-TOD	8.57	±9.6 %
10467	AAF	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TOD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	DTE-TOD	8.32	± 9.8 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RR, 5 MHz, 64-QAM, UL Sub)	LTE-TOD	8,56	± 9.6 %
10470	AAF	£TE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TOD	7.82	± 9.6 %
1047:	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TOD	8.32	± 9.6 %
10472	AAF_	£19-100 (SC-FDMA, 1 RB, 10 MHz, 64-OAM, UL Sub)	LTE TOD	8.57	± 9,6 %
10473	AAE.	L18-100 (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	_±9.6%
10474	AAE	LTE-TDD (SC-FDMA, 1 R9, 15 MHz, 16-QAM, UL Sub)	LTE-TOD	8.32	±9.6%
10475	AAE	LTE-TDD (SC-FDMA, 1 RB. 15 MHz, 64-QAM, UL Sub)	LTE-TOD	8.57	± 9.6 %
10477	AAF	LTS-TDD (SC FDMA, 1 RB, 20 MHz, 16-QAM, UL,Sub)	TIE-IDD	8.32	±9.6%
<del></del>	AAF	LTE-TOD (SC-FDMA, 1 RB. 20 MHz, 84-QAM, UL Sub)	LTE-TOD	8.57	1 89.6%
10479	AAB .	L)'E-100 (SC-FDMA, 50% RB, 5.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6%
10480	AAB	LTE-TOD (SC-FDMA, 50% RB, 3.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AA8	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-TOD	7.71	≥ 9.6 %
	AAC	LTE-TDD (\$C-FDMA, 50% RB, 3 MHz, 18-QAM, \$u5)	ETE-FDD	8.39	≐ 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 60% RS, 3 MHz, 64-QAM, UL Sub)	LIE-TOD	8.47	±9.6 %
h 4	AAF	LTE-TOD (SC-FDMA, 50% RS, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	- 9.6 %
$\vdash$		A THE WORLDOOD IN SECURE AND ADDRESS OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	·		
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	÷ 9.6 %
$\vdash$		ETE-TOD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) ETE-TOD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) LTE-TOD (SC-FDMA, 50% RB, 10 MHz, OPSK, UL Sub)	LTE-TOD LTE-TOD	8.38 8.60 7.70	± 9.6 % ± 9.6 %

10489	しんさに	TE TOUR IECT COMM SON OR MOUNT 45 CALL IN CALL	'	·	
10490	AAF AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TOD	8.31	± 9,6 9
10491	AAE		I.TF-TDD	8.54	±9.6
	"	CTE-TDD (SC-FDMA, 50% R9, 15 MHz, QPSK, UL Sub)	I.TE-TDD	7.74	± 9.6
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	TE-TDD	8,41	± 9.6
904 <b>93</b>	AAE	LTF-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, OPSK, UL Sub)	LTE-1'DD	[ 7.74	± 9.6
10495	AAF_	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, ill. Sub)	LIE-TOD	6.37	#: 9.6
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TOD	8.54	± 9.6
10497	AAB	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, QPSK, UL Sub)	LTE-TOD	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-TOD (SC-FDMA, 100% RB, 1.4 MHz, 64-GAM, UL Sub)	LTE-TOD	8.88	± 9.6
10500	AAC	LTE-TOD (SC-FOMA, 100% RB, 3 MHz, OPSK, UL Sub)	LTE-TDD	7.67	± 9.6
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Scb)	LTE-TOD	B.44	± 9.6
10502	FAAC	LTE-TDD (SC-FDMA, 100% RB, 3 MH≵, 64-QAM, UL Sub)	LTE-TOD	8.52	± 9.6
10503	Ì AAF	LTE-TOD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LIE-TOD	7.72	± 9.6
10504	AAF	TTE-TDD (SC-FDMA, 100% RB, 5 MHz, 18-QAM, UL Sub)	LTE-TDD	8.31	± 9.6
10505		LTE-TOD (SC-FOMA, 100% RB, 5 MHz, 84-QAM, UL Sub)	LTE-TOD	8.54	± 9.6
10506	<del></del>	LTE-TOD (SC-FOMA, 100% RB, 10 MHz, OPSK, UL Sub)			
10507	<del>:</del>	LTE-TOD (SC-FOMA, 100% RB, 10 MR), 16-QAM, UL Sub)	LTE-TOD	7.74	± 9.6
10508		]	LIE-IDD	8.36	± 9.6
	·	LTE-TOD (SC-FOMA, 100% RB, 10 MHz, 84-QAM, UL Sub)	LTE-TOD	. <u>8.55</u>	19.6
105 <b>0</b> 9		LTE-TDD (SC-FOMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTF-TDD	7.99	± 9.6
10510		UTE-TDD (SC-FDMA, 100% RB, 15 MHz, 18-DAM, UL Sub)	L7E-TDD	8,49	± 9.6
10511	AAE	LTE-TDD (SC-FOMA, 100% RB, 15 MHz, 84-DAM, UL Sub)	LTE-TDD	8.51	± 9.6
10512	<u> </u>	CTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6
10513	AAF	LTE-TDD (SC-FDMA, 190% RB, 20 MHz, 16-QAM, III, Sub)	LIE-IDD	8.42	± 9.8
10514	AAF	LTE-TDD (SC-FDMA, 100% RR, 20 MHz, 64-QAM, UL Sub)	LTE-TOD	8.45	1.8.6
10515	AAA	IEEE 852.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	1. 9,6
10516	AAA	IEFE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc do)	WLAN	1.57	9.6 ±
10517	AAA	IEEE 802,115 WiFi 2,4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.5B	; ± 9,6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 93pc dc)	WLAN	8.23	± 9.61
10519	AAC	4EEE 802.11a/h WiFi 5 CHz (OFDM, 12 Mbps, 93pc dc)	WLAN	8.39	± 9.8
10520	ÄAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, \$8pc dc)	WLAN	8.12	± 9.61
10521	AAC	1EEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.81
10523	AAC	(FEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc do)	WLAN	8.08	+ 9.6
10524	AAC	(EEE 802.11a/h) WiFi 5 GHz (OHDM, 54 Mbps, 92cc dc)	WLAN	8.27	± 9.6
10525	AAC	(EEE 802.11sc WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6°
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6
10527	AAC	IEEE 802.11ac WIFI (20MHz, MCS2, 99pc dc)	WLAN		:
10528	AAC	ISEE 802.11ac WiFt (20MHz, MCS3, 99pc do)	WLAN	8.21	± 9.6
	AAC	15EE 802.11ac WiFi (20MHz. MC84, 99pc dc)		8,36	(±9.6)
10529	<del></del>		WI,AN	8.36	- 9.6
10631	AAC	ISEE 802,11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	j = 9.6 '
10532	AAC	ISSE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6
10533	AAC	ISEE 802.11ac WiFi (2DMHz, MCSB, 99pc.dc)	WLAN	8.38	± 9.6
10534	VVC	IEEE 002.11ac WIFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6
10535	AAC	IFEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6
10536	AAC	ISEE 802.11ac W(F) (40MHz, MCS2, 99pc de)	WLAN	8.32	± 9.6 ′
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc de)	WLAN	8,44	± 9.6
10538	AAC	LEEE 802.11ac WiFi (4CMHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6
10640	AAC	IEEE 802.1186 WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.61
10541	AAC	IEEE 002.11ac WIFI (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 °
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.61
10543	AAC	IEFF 802.11ac WiFi (40MHz, MCS9, 99pc do)	WLAN	8 65	± 9.6
10544	AAC	IFEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8 47	± 9.6
10545	AAC	IEEE 802.11ac WiF: (80MHz, MCS1, 98pc do)	WIAN	8 55	19.6
	AAC	IEEE 802,11ac WiFi (80MHz, MCS2, 28pc dc)	WLAN	8.35	+96
10546			1	1 0.00	1

10547	AAC	1866 802,11ac WiFi (80MHz, MCS3, 98pc dc)	Listion		Tionaga
10548	AAC	IEEE 802.11ac WIFI (80MHz, MCS4, 69pc dc)	WLAN	8.49	1:9.6%
10550	AAC	IEEE 002.1 fac WiFI (80MHz, MCS6, 98gc de)		8.37	± 9.6 %
10551	MC	IEEE 802.11ac V/Fi (85MHz, MCS7, 99pp de)	WLAN Carran	8.39	± 9.6 %
10552		IEEE 802.11ac WiFi (80MHz, MCS8, 99pc de)	WLAN	8.50	±9.6 %
	AAC	···	WLAN	8.42	± 9.6 %
10663	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10654	AAD	IEEE 802.11au WiFi (160MHz, MCS0, 99pc dc)	WLAN	8 48	. ± 9.6 %
10555	AAD_	IEEE 802.11ac WiFi (163MHz, MCS1, 98pc dc)	WLAN	8.47	1 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)		8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.6%	± 9.6 %
10560	AAD .	IEEE 802,11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11zc WiFi (163MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WIFI (160MHz, MCS9, 99pc dc)		- 0 77 - 10 77	1.9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DBSS-OFDM, 9 Mbps, 99pc da)	W1.AN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA.	IEEE 802.11g WiFi 2.4 GHz (OSSS-OFDM, 24 Mbps, 99pc.do)	WLAN	8.00	± 9.6 %
1.0568	AAA	IEEE 802.11g WIFI 2.4 GHz (OSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	±9.6%
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (9SSS OFDM, 48 Mbps, 90pc do)	WLAN	) B.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (OSSS-CFDM, 64 Mbps, 99pc do)	· WIAN	8.30	₹9,6%
10571_	AAA	IEEE 802,11b WiFi 2.4 GHz (USSS, 1 Mbps, 90pc de)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (OSSS, 2 Mbps, 90pc dc)	WLAN	1.99	±9.6%
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc cc)	WLAN	1.98	± 9.6 %
10674	AAA	IEEE 802.11b WiFl 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IFFF 802.11g WiFi 2.4 GHz (OSSS-CFDM, 6 Mbps, 90pc dc)	WLAN	, 8.59	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2,4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802,11g W(F) 2.4 GHz (USSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±96%
10578	AAA.	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8,49	± 9.6 %
10579	AAA	!EEE 802.11g WiFi 2.4 GHz (DSSS-QFDM, 24 Mbps, 90pc dc)	WLAN	6.36	± 9.6 %
10580	AAA	IEEE 802.11g VMFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	JEEE 802 11g WIFi 2,4 GHz (DSSS-OFDM, 48 Mbps, 90pc do)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	B.67	± 9.6 %
10583	AAC	EEE 802,11a/i: WiFi 5 GHz (OFDM, 6 Mbps, 90pc do)	WLAN	6.59	± 9.6 %
10584	AAC	EEE 802.11a/i: WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±96%
10585	AAC	EEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/r WIFi S GHz (OFDM, 18 Mbps, 90pc.4c)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc do)	WLAN	8.36	±9.6%
10588	AAC	:EEE 802.11a/h WiFi S GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	:EEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 90pc do)	WLAN	8.35	±9.6%
10590	AAC	iEEE 802.11a/n WiFr 5 GHz (OPDM, 54 Mbps, 90pc do)	WLAN	B.67	4.9.6 %
10591	AAC	(EEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Wixed, 20MHz, MCS1, 90pp dc)	WLAN	8.79	± 9.6 %
10593	AAC	!ERE 802.11n (HT Mixed, 20MHz, MCS2, 90pp dc)	WLAN	8.64	±9.6%
:0594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc de)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc do)	WLAN	8.74	± 9.6 %
10596	AAC	TEEE 802.11n (HT. Mixed, 20MHz, MCS5, 90pp do)	WLAN	8.71	19.6%
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	±9.6 %
10598	WC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pp dc)	WLAN	8.5 <b>0</b>	± 9.6 %
10599	AAC	IEEE,802 11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 602,11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6%
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90gc dc)	WLAN	8.82	± 9.6 %
10802 :	AAC !	IEEE 802.11n (HT Mixed, 46MHz, MCS3, 90pc dc)	WLAN	B.94	± 9.6 %
10803	AAC	IEEE 602,11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8,76	± 9.6 %
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10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	- WLAN	8,97	±9.6%
10636			WLAN	8.82	± 9.6 %
	AAC	IFFE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc de)	WLAN	8.77	∴ ± 9.8 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	±9.6%
10610	AAC	IEEE 802.11ac WiFi (20MHz, MGS3, 90pc dc)	WLAN	0.78	1,9.6%
10611	AAC	IEEE 802.11ac Will (25MHz, MCS4, 90pc do)	WLAN	8.70	+ 9.6 %
10612 10613	AAC	IEEE 802.11ac WIFI (20MHz, MCS5, 90pc de)   IFEE 802.11ac WiFi (20MHz, MCS5, 90pc de)	WLAN	8.77	= 9.6 %
10614		IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	! WLAN	8.94	±9.6%
10615	AAC	TEBE 802.1136 WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.59	±9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN .	8.82	± 9.6 %
10617	AAC		WLAN	8.82	± 9.6 %
10618	AAC	IEEE 802.11ac WIFI (40MHz, MCS1, 90pc do) IEEE 802.11ac WIFI (40MHz, MCS2, 90pc do)	WLAN	8.81	L 9,6 %
10619	MC	IEEE 002.11ac WiFi (40MHz, MCS3, 90pc do)	WLAN	8 58	1.9.6 %
10620	AAC		. WI AN	8.86	± 9.6 %
		IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)   IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.87	±9.6%
10621	AAC		WLAN	8.77	±9.6 %
10622 10623	AAC	IEEE 802.11ac V/iFi (40MHz, MCS6, 90pc dc) IEEE 802.11ac V/iFi (40MHz, MCS7, 90pc dc)	WLAN	8.68	± 9.6 %
10624	AAC	IEEE 802.11ac WiFt (40MHz, MCS7, 41.55.66)	WLAN	8.82	± 9.6 %
10625		IEEE 802 11ac WiFi (40MHz, MCS9, 90pc do)	WLAN	8.96	19.6%
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 30pc 66)	WLAN	8.96	± 9.6 %
10627	AAC	IEEE 802,11ac Wiff (80MHz, MCS), 90pt do)	WLAN	8.83	± 9.6 %
10628	AAC	IEEE 803.1186 WiFi (80MHz, MCS2, 95pc dc)	WLAN	8.88	±9.6%
10629	AAC	IEEE 802.11ac WV1 (30MHz, MCS3, 90nc dc)	, WLAN	8.71	± 9.8 %
10630	VVC	IEEE 002.11ac WiFi (80MHz, MCS1, 90pp do)	[ WLAN	8 85	± 9,6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 9099 dc)	WLAN     WLAN	8.72	±9.6%
10632		IEEE 802.11ac W/Fi (80MHz, MCS6, 90gc de)	WLAN	8.81 8.74	+9.6% +9.6%
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	; ILEE 802.11ec WiFi (80MHz, MCS8, 90ac ac)	WLAN	8.80	± 9.6 %
10635	AAC	HEEE 802.11ac WiF: (80 MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAD	IEEE 802.11ac WiF: (160MHz, MCS0, 90pc 6c)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802, 11ac WIF: (160 VHz, MCS1, 90pc dc)	WLAN	8 79	± 9.6 %
1063B	AAD	IEEE 802.11ac WiF: (160MHz, MCS2, 90pc cc)	WLAN	8.8G	± 9.6 %
10639	AAD	IEEE 802.11ac Wif: (160.MHz, MCS3, 90pc dc)	WLAN	: 8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MC54, 93pc dc)	WLAN	8.98	±9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCSS, 90pc 5c)	WLAN	9.06	± 9.6 %
10642	MAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc fc)	WLAN	9.06	± 9.6 %
10643	AAD	IFEE 602 11ac WiFi (160MHz, MCS7, 90pg dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MG\$8, 90pc cc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802,11ac WiFr (160MHz, MCS9, 90pc 5c)	WLAN	9.11	4, 9.6 %
10646	AAG	LITE-TOO (SC-FDMA, 1 RB, 5 MHz, QPSK, UL 505=2,7)	LTE-TDD	11.96	±9.6%
10647	AAF	uTE-TDD (SC-FDMA, 1 RB, 20 MHz, OPSK, UL Sub=2,7)	LTE TOD	11.96	±9.6%
10648	AAA	CDMA2000 (1x Advanced)	GDMA2000	3.45	±9.6%
10652	AAE	LTE-TOD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	Б.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	CTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Olipping 44%)	LTE-TDD	6.96	196%
10655	AAF	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	8.99	± 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 %
10870	AAA	Bluctooth Law Energy	Bluelooth	2.19	± 9.6 %
10871	AAC	IESE 802.11ax (20MHz. MCS0, 90pc de)	WLAN	9.09	±9.6 %
10672	AAC	IEEE 802.11ax (20MHz. MCS1, 90pc dc)	MIVN	8.57	±9.6%
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10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc.dc)	WLAN	8.78	± 9.6 %
10674	WC	IEEE 802.11ax (20M/lz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	0.90	1 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	≠ 9,6 %
10677	AAC	IEEE 802,11ax (20MHz, MCS8, 90pc dc)	WLAN	8.73	±9,6%
1067B	AAC	IEBE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	±9.6%
10679	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc.dc)	WLAN	8.89	±9.6%
i10680	AAC	IEEE 002.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	±9.6%
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dq)	WLAN	8 63	± 9.6 %
10683	AAC	IEBE 802.11ax (20MHz, MCSD, 99pc dc)	WLAN	8.42	±9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
19685	AAC	IEEE 802.11ax (20MHz. MCS2, 99pc dc)	WLAN	8.33	±9.6%
10686	AAC	IEEE 802.11ax (20MBz, MCS3, 99pc dc)	WLAN	8.28	±9.6%
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	±9.6%
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc do)	WLAN	8 5 5	1 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	+ 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802 11ax (20MHz, MC59, 99pc do)	WLAN	8.29	±9,6%
10693	AAC	IEEE 802.11ax (20MHz, MC\$10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MC\$11, 99pc dc)	WLAN	8.57	≥ 9.8 %
10695	AAC	IEEE 802.11ax (40MHz, MC80, 90pc de)	WLAN	8.78	= 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WI_AN	0.91	±9.6%
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WEAN	8.89	±9.6%
10699	AAC	JEEE 802.11 ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	±9.6%
10700	AAC	1888 802.1 tex (40MHz, MCS5, 90pc de)	WLAN	8.73	±9.6%
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WIAN	8.86	±9.6%
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WIAN	8.70	±9.6%
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	19.6%
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc 45)	WLAN	8.56	± 9.6 %
	AAC	(EEE 802.11ax (40MHz, MCS10, 90pc cc)	WLAN	8.69	±9.6%
10705	AAC	IEEE 802.11ax (40MHz, MOS11, 90pc cc)	WLAN	8.66	±9.5%
	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc 4c)	j WLAN	8.32	±9.6%
10707		IEEE 802.11ax (40MHz, MCS1, 99pc dc)	I WLAN	8.55	± 9.6 %
	AAC	IEEE 802.11ax (40MHz, MGS1, 98pc 8c)	ý	8.33	± 9.6 %
10709 10710	AAC	1EEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN WLAN		± 9.6 %
				8.39	± 9.5 %
10711	AAC	4EEE 302.11ax (40MHz, MCS4, 99pc dc)	WLAN		
10712	AAC	(EEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN ISH AN	8.67	±9.6%
10713	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc cc)	WLAN	8.33	± 9.6%
10714	AAC	IEEE 802,11ax (40MHz, MCS7, 99pc de)	WLAN	8.28	±9.6%
10715	AAC	1EEE 832.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	±9.6%
10716	AAC	1666 932.4 fax (40MHz, MCS9, 98pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pp dc)	WLAN	8.48	1.9.6%
10718	AAC	[EEE 802.71ax (40MHz, MOS11, 99pp do)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 902.11ax (80MHz, MCS0, 90cc cc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pp cc)	WLAN	8.87	± 9.6 %
10721	AAC	IDEE 802.11ax (80MHz, MCS2, 90pc dc)	WI.AN	8.76	±9.6%
10722	AAC	IERE 802.11ax (00MHz, MCS3, 90pc dc)	WLAN	8,55	±9.6 %
10723	AAC	EEE B02.11ax (80MHz, MC\$4, 93ps do)	WLAN	8.70	± 9,6 %
10724	AAC	[EEE 802.11ax (80MHz, MOS5, 93pp dc)	WLAN	8.90	+ 9.6 %
10725	AAC	IEEE 802,11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	±9.6%
10727	AAC	IEEE 802.11ex (80MHz, MCS8, 90pp dc)	WLAN	8.66	±9.6 %
10728	AAC	IEEE 802,11ax (80MHz, MC59, 90pc dc)	WLAN	8.65	± 9.6 %

40775		ISSE DOG 14 (DD111- 140010 60 1-)	1-4-4		T
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8,64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8,67	± 9.6 %
10731	AAC	IDDE 802 11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	x 9.6 %
10732	AAC	IFEF 802 11ax (80MHz, MCS1, 99pc cc)	WILAN	8.45	± 9.6 %
10733	AAC	IEEE 802 11ax (60MHz, MCS2, 99pc dz)	WLAN	8.40	= 9.6 %
10734	AAC	IEEE 802.11ax (60MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	VVC	IEEE 802.11ax (80MHz. MCS5, 99pg dc)	WLAN	8.27	± 9.6 %
1 <b>07</b> 37	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc de)	WLAN	8.36	⊥ 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MC87, 90ρc dφ)	WLAN	8 42	+ 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc do)	WEAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	±9,6%
10741	AAC	IEEE 802.11ax (80MHz, MGS10, 99pc dc)	WLAN	8.40	±9.6%
10742		IEEE 802.11ax (80M: Iz, MCS11, 99pc do)	WLAN	8.43	± 9.6 %
10743	AAC	IFEF, 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc de)	WI.AN	9.16	±9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc do)	WLAN	8.93	± 9.5°%
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	EEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6%
10748	VVC	IEEE 002.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802 11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	±.9.6 %
10750	AAC	IEEE 802 11ax (160MHz, MGS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	··- ·- ·	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc ds)	WLAN	9.00	±9.6%
10754	MAC	NEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756		IEEE 802.11ax (180MHz, MCS1, 99pc de)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ex (160MHz, MCS2, 99pc do)	WLAN	8.77	± 9.5 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS-1, 99pc fb)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802 11ax (160MHz, MCS5, 99pc ds)	WLAN	8.49	± 9.6 %
10761	AAC	EEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.8 %
10782	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc de)	WLAN	8.49	± 9.6 %
10763	AAC	REEE 802.11ax (180MHz, MCS8, 99pc de)	WLAN	0.53	19.6%
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	±86%
10765	MC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	±9.5%
10766			WLAN	8.51	±9,6%
10767	AAE	5G NR (CP-OFDM, 1 RB, 6 MHz, QPSK, 15 kHz)	56 NR FR1 TDD	7.99	±9.6%
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9,6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 15 kHz)	5G NR FR4 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1-78, 25 MHz, OPSK, 15 kHz)  5G NR (CP-OFDM, 4-22, 20 MHz, OPSK, 45 MHz)	5G NR FR1 TDD	8.02	÷ 9,6 %
10772	AAD	5G NR (CP-OFDM, 1-38, 30 MHz, QPSK, 15 kHz)  5G NR (CP-OFDM, 4-33, 40 MHz, QPSK, 46 kHz)	5G NR FR1 TDD	8.23	±9.6%
10773		5G NR (CP-OFDM, 1-RB, 40 MHz, QPSK, 15 kHz)  AC NID (CP-OFDM, 1-RB, 40 MHz, QPSK, 15 kHz)	5G NR FR: TDD	8.03	±9.6%
10774	AAD	5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6% →0.6%
10775	AAD	5G NR (C9-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	5G NR (CP-OFDM, 50% RB. 30 MHz, GPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR: TDD	8 30	± 9.6 %
10777	AAC		5G NR FR1 TDD	8.30 8.34	2 9.6 %
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TOD 5G NR FR1 TOD	8.42	± 9.6 % ± 9.6 %
10779		5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 16 kHz)	5G NR FR: TDD		
10780	AAU	_ <u> </u>	5G NR FR1 TDD	8.38	±9.6% ±9.6%
10761	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 8G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6% ±0.6%
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 5 MHz, DPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.43	± 9.6 %
10783	AAF	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 KHz)		8.31	±9.6% ±9.6%
10784	ΛΛD	TO MIN (OF TO DM), TOUM NO, TO MINS, MESO, 19 SEZ)	5G NR FR1 TDD	8.29	2.970.30

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10785	AAD	5G NR (CP-0FDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	2 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RS, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.5 %
10787	AAD '	8G NR (CP OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	! 5G NR FR: TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6%
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6%
10790	ΛΛD	5G NR (C.7-OFDM, 100% RB, 50 MHz, GPSK, 15 kHz)	5G NR FR1 LDD	8.39	±9.6%
<b>1</b> 0791	AAE	5G NR (CP-OFDM, 1 RB. 5 MHz, QP5K, 30 kHz)	5G NR FR1 TDD	7,83	±9.6%
10792	AAD	5G NR (CP-OFOM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6%
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.95	19.6%
10794	AAD	5C NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	50 NR FR1 TOD	7.84	±9,6%
10796	AAD	. 5G NR (CP-OFDM, 1 RB, 30 MHz, QP5K, 30 kHz)	5G NR FR1 TDD	7.82	±9.6%
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	CAA	5G NR (CP-OFOM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFOM, 1 RB, 60 MHz, QP\$K, 30 kHz)	59 NR FR1 TDD	7.93	±9.6%
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±96%
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	7.87	±9.6%
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	56 NR FR1 TDD	7.93	± 9.6 %
10805	AAD	50 NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	B.34	±9.6%
10806	AAD	8G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 MFz)	5G NR FR1 TDD	8.37	± 9.6 %.
10809	AAD	5G NH (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RS. 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 80 MHz, CPSK, 30 MHz)	5G NR FR1 TDD	8,35	± 9.6 %
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6%
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6%
10819	AAD	5G NR (CP-OFDM, 100% RB. 15 MHz, QPSK, 30 kl b)	5G NR FR: TDD	8.33	±9.6%
10820	AΛD	5G NR (CP-OHUM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	0.41	± 9.8 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	56 NR FR1 TDD	8.41	. 9.6 %
10823	AAU	5G NR (CP-OFDM, 100% RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.5 %
10824	AAD	5G NR (CP-OFDM, 190% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10B25	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	CAA	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAD	5G NR (CP-DFDW, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.8 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	B.40	± 9.6 %
10830	I AAD	53 NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	50 NR FR1 TOD	7.63	+9.6%
10031	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 R5, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6%
10833	+	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 0.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.75	±9.6%
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10835	<del></del>	56 NR (CP-0FDM, 1 RB, 50 MHz, QPSK, 80 kHz)	äG NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6 %
10839	AAD	5G NR (CP OFDM, 1 RS, 80 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840		1 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR: TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 付/z)	5G NR FR1 TDU	7.71	± 9.6 %
10843		5G NR (CP-OFDM, 50% RB. 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-CFDM, 50% RB, 20 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	1	5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 60 kHz)	5G NR FR1 TDC	8.41	± 9.5 %
10846	AAD AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	50 NR FR1 TDD	8.34	± 9.8 %
10855		5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	50 NR FR1 TDD	8,36	, 4: <b>9</b> .6 %
1-	<del></del> -	5G NR (CP-OPDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10857		5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10858	<del>  " " " " " " " " " " " " " " " " " " "</del>	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	8.34	± 9.8 %
	AAD AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	8.41	± 9.6 %
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10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5C NR FR1 TDD	B.40	± 9.6 %
10863	AAO	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	1 5G NR FR1 TOD	8.41	196%
10864	AAO	SGINR (CP OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	SG NR FR1 TOD	8.37	196%
10865	AAC	5@ NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	B.41	±96%
10666	AAO	SG NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6%
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6%
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 KHz)	5G NR FRZ TUD	5.75	±9.6%
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TOD	5.86	± 9.6 %
10871		5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TOD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kFz)	5G NR FR2 TDD	6.52	± 9.6 %
10073		5G NR (DFT-s-OFDM, 1 RB. 100 MHz, 640AM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 84QAM, 120 MHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-0FDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TOD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	SC NR FR2 TDD	<u>8.39</u>	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 KHz)	SG NR FR2 TDD	. 7.95	± 9.6 %
10878	AAD	50 NR (CP-OFDM, 100% RB, 100 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	8.41	19.6%
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 MHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 105% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DET -s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	SC NR FR2 TDD	) 5.75 Lenc	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	50 NR (DFT-s-0FDM, 1 RB, 50 MHz, 180AM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10084	<u> AAD</u>	5G NR (OFT-s-OFDM: 100% RB, 50 MHz, 16QAM: 120 kHz)	5G NR FR2 TDD	6.53	1 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 KHz)	SG NR FR2 TDD	6.63	+ 9.6 %
10886	AAD	i 5G NR (DET-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	56 NR (CP-0FDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6%
10888	AAD	5G NR (GP-0FDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OHDM, 1 RB, 50 MHz, 16GAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	8.40	19.6%
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	8.13	±9.5% ±9.6%
10892 10897	AAD AAC	5G NR (CP-OFDM, 100% R8, 50 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 R8, 5 MHz, QPSK, 30 kHz)	5G NR FR2 TDD 5G NR FR1 TDD	8.41 5.66	±9,5%
10898	AAB	; 5G NR (D.FT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR: TDD	5.67	± 9.6 %
10899	AAB	i 56 NR (DFI-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR: TDD	5.67	± 9.6 %
10950	AAB	5G NR (DFT-9-OFDM, 1 RB. 20 MHz, QPSK, 30 kHz)	5G NR FR: TDD	5.68	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RR, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.G8	= 9.6 %
10903	AAB	5/S NR (DFT-s OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz)	i 5G NR FR1 TDD	5.68	± 9.6 %
10904		5G NR (OFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 7DD	5.68	±9.6%
10905	AAB	5G NR (DFT-s-OFDM, 1 R8, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6%
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.6B	±9.6%
10207	AAC	5G NR (DFT-s-QFDM, 50% RB, 5 MHz, QFSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6%
10907	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	1.9.6 %
10909	AAB	5G NR (DFT-9-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAG	5G NR (DFT-9-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.63	± 9.6 %
10911	AAB	50 NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% R3, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 0.6%
10914	AAB	5G NR (DFT-s-OFDM, 50% R3, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.8 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 Mil/z, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.8 %
10916	AAB	5G NR (DFT-s-OFDM, 50% R9, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6%
10917	AAB	5G NR (UF1-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±.9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% HB, 5 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.86	± 9.6 %
10919	ΛΛB	5G NR (DFT-s-OFOM, 100% RB. 10 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.88	± 9.6 %
10920	AAB	5G NR (DFT-s-OFOM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TUD	5.87	±9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6%
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,82	± 9.6 %

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10923   AAB   GENR (OFT = OFTM), 100% RR, 30 MHz, CPSK, 30 MHz)   SEN NR FRI TIDD   S.B.M   \$9.9%						
10925	10923	AAB	9G NR (DFT-s-OFDM), 100% RB, 35 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.84	± 9.6 %
10927   AAB   SC INF (DFT-GOPM, 109% RB, 50 MHz, OPSK, 30 MHz)   SG INF RRI TDD   5.94   5.96 %   1998   AAC   SG INF (DFT-GOPM, 109% RB, 50 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.92   5.96 %   1998   AAC   SG INF (DFT-GOPM, 108, 50 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.52   2.96 %   1998   AAC   SG INF (DFT-GOPM, 108, 50 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.52   2.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 10 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   5.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 20 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   5.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 20 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   5.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 30 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   5.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 30 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   2.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 30 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   2.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 30 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   2.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 30 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.51   2.96 %   1993   AAC   SG INF (DFT-GOPM, 108, 30 MHz, OPSK, 10 MHz)   SG INF RRI TDD   5.91   2.96 %   1993   AAC   SG INF (DFT-GOPM, 50% 33, 5 MHz, OPSK, 15 MHz)   SG INF RRI TDD   5.91   2.96 %   1993   AAC   SG INF (DFT-GOPM, 50% 33, 5 MHz, OPSK, 15 MHz)   SG INF RRI TDD   5.90   2.90   2.96 %   1993   AAC   SG INF (DFT-GOPM, 50% 33, 5 MHz, OPSK, 15 MHz)   SG INF RRI TDD   5.90   2.90   2.96 %   1993   AAC   SG INF (DFT-GOPM, 50% 88, 10 MHz, OPSK, 15 MHz)   SG INF RRI TDD   5.90   2.90   2.96 %   1993   AAC   SG INF (DFT-GOPM, 50% 88, 20 MHz, OPSK, 15 MHz)   SG INF RRI TDD   5.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2.90   2	10924	A43	5G NR (DFT s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.84	± 9.6 %
10927   AAB   SG NR (OFT-GOPDM, 1098, 169, 60 MHz, OFSK, 15 MHz)   SG NR FRI FDD   5.52   ± 9.6 %   19928   AAC   SG NR (OFT-GOPDM, 1781, 61 MHz, OFSK, 15 MHz)   SG NR FRI FDD   5.52   ± 9.6 %   19930   AAC   SG NR (OFT-GOPDM, 1781, 15 MHz)   SG NR FRI FDD   5.52   ± 9.6 %   19930   AAC   SG NR (OFT-GOPDM, 1781, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19932   AAC   SG NR (OFT-GOPDM, 1782, 20 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19933   AAC   SG NR (OFT-GOPDM, 1782, 20 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19933   AAC   SG NR (OFT-GOPDM, 1782, 20 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1782, 40 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1782, 40 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1782, 40 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1782, 40 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1782, 40 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1783, 40 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.51   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1783, 48 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.77   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1783, 48 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.77   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1784, 18 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.77   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1784, 18 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.77   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1784, 18 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.89   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1784, 18 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.89   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1784, 18 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.89   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1784, 18 MHz, OPSK, 15 MHz)   SG NR FRI FDD   5.89   ± 9.6 %   19934   AAC   SG NR (OFT-GOPDM, 1784, 18 MHz, OPSK, 15 MHz)   SG NR FRI	10925	AAB	5G NH (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	59 NR FR1 TDD	5.95	± 9.6 %
19928   AAC   G. NR (DFT-A-OFDM, 1.RB, 5 NH-C, DFSK, 15 NH-D)   G. NR FRT FDD   5.52   ± 9.6 %	10926	AAR	5C NH (DHT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
1992   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 10 NHz, OFSK, 15 NHz)   \$6 NR HR1 F-D0   \$.52   ± 9.6 %   \$1 0931   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 NHz)   \$6 NR FR1 FD0   \$.52   ± 9.6 %   \$1 0932   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 NHz)   \$9 NR FR1 FD0   \$5 1   ± 9.6 %   \$1 0932   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 NHz)   \$9 NR FR1 FD0   \$5 1   ± 9.6 %   \$1 0932   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 NHz)   \$9 NR FR1 FD0   \$5 1   ± 9.6 %   \$1 0933   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 NHz)   \$9 NR FR1 FD0   \$5 1   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 NHz)   \$9 NR FR1 FD0   \$5 1   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 NHz)   \$9 NR FR1 FD0   \$5 1   ± 9.6 %   \$1 0937   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 10 MHz, OFSK, 15 NHz)   \$6 NR FR1 FD0   \$5.5 1   ± 9.6 %   \$1 0937   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 10 MHz, OFSK, 15 NHz)   \$6 NR FR1 FD0   \$5.77   ± 9.6 %   \$1 0938   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 20 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.79   ± 9.6 %   \$1 0939   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 20 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.90   ± 9.8 %   \$1 0939   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 20 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 20 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 20 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 20 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 20 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 50 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0934   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 50 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0935   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 50 MHz, OFSK, 15 NHz)   \$5 NR FR1 FD0   \$5.80   ± 9.6 %   \$1 0935   AAC   \$6 NR (DFT-6-OFDM, 50% RB, 50 MHz	10927	ΛΛB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10932 AAC SG NR (DFT-6-OFDM, 1 RB, 25 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.52 ± 9.6 %. 10932 AAC SG NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.51 ± 9.6 %. 10933 AAC SG NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.51 ± 9.6 %. 10934 AAC SG NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.51 ± 9.6 %. 10935 AAD SG NR (DFT-6-OFDM, 1 RB, 20 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.51 ± 9.6 %. 10936 AAC SG NR (DFT-6-OFDM, 1 RB, 30 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.51 ± 9.6 %. 10936 AAC SG NR (DFT-6-OFDM, 50% R3, 5 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.51 ± 9.6 %. 10936 AAC SG NR (DFT-6-OFDM, 50% R3, 6 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.57 ± 9.6 %. 10939 AAC SG NR (DFT-6-OFDM, 50% R3, 6 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.57 ± 9.6 %. 10939 AAC SG NR (DFT-6-OFDM, 50% R3, 6 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.20 ± 9.8 %. 10939 AAC SG NR (DFT-6-OFDM, 50% R3, 25 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.20 ± 9.8 %. 10941 AAC SG NR (DFT-6-OFDM, 50% R3, 25 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.20 ± 9.8 %. 10943 AAC SG NR (DFT-6-OFDM, 50% R3, 25 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.20 ± 9.8 %. 10943 AAC SG NR (DFT-6-OFDM, 50% R3, 25 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.20 ± 9.8 %. 10943 AAC SG NR (DFT-6-OFDM, 50% R3, 25 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.80 ± 9.8 %. 10943 AAC SG NR (DFT-6-OFDM, 50% R3, 25 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.82 ± 9.8 %. 10943 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.83 ± 9.6 %. 10944 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.83 ± 9.6 %. 10945 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.83 ± 9.6 %. 10946 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.83 ± 9.6 %. 10947 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.84 ± 9.6 %. 10948 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.84 ± 9.6 %. 10949 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) SG NR FR1 FDD 5.84 ± 9.6 %. 10949 AAC SG NR (DFT-6-OFDM, 50% R3, 50 MHz, OFSK, 15 MHz) S	10928	AAC	5G NR (DFT-s-OFOM, 1 RB, 5 MHz, QPSK, 15 kHz)	5C NR FR1 FDD	5.52	± 9.6 %
10931   AAC   SG NR (DFT-9-OPDM, 1 RB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.51   ±9.6 %   10932   AAC   SG NR (DFT-9-OPDM, 1 NB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.51   ±9.6 %   10934   AAC   SG NR (DFT-9-OPDM, 1 NB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.51   ±9.6 %   10935   AAD   SG NR (DFT-9-OPDM, 1 NB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.51   ±9.6 %   10935   AAD   SG NR (DFT-9-OPDM, 1 NB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.51   ±9.6 %   10937   AAC   SG NR (DFT-9-OPDM, 50% RB, 10 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.77   ±9.6 %   10937   AAC   SG NR (DFT-9-OPDM, 50% RB, 10 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.77   ±9.6 %   10937   AAC   SG NR (DFT-9-OPDM, 50% RB, 10 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.77   ±9.6 %   10938   AAC   SG NR (DFT-9-OPDM, 50% RB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.77   ±9.6 %   10938   AAC   SG NR (DFT-9-OPDM, 50% RB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.79   ±9.8 %   10939   AAC   SG NR (DFT-9-OPDM, 50% RB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.82   ±9.8 %   10934   AAC   SG NR (DFT-9-OPDM, 50% RB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.82   ±9.8 %   10942   AAC   SG NR (DFT-9-OPDM, 50% RB, 20 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.82   ±9.8 %   10943   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.6 %   10944   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.9 %   10944   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.9 %   10944   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.9 %   10944   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.9 %   10944   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.9 %   10944   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.9 %   10945   AAC   SG NR (DFT-9-OPDM, 50% RB, 50 MHz, GPSK, 15 MHz)   SG NR FREE FDD   5.89   ±9.9	10929	AAC	5G NR (DFT-s-OFOM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10932   AAC   SG NR (DFT-s-OFDM, 1 NB, 25 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.51   2.9.5 %   10934   AAC   SG NR (DFT-s-OFDM, 1 NB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.51   2.9.6 %   10935   AAC   SG NR (DFT-s-OFDM, 1 NB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.51   2.9.6 %   10936   AAC   SG NR (DFT-s-OFDM, 1 NB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.51   2.9.6 %   10936   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.9.0   2.9.6 %   10937   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.77   2.9.6 %   10938   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.77   2.9.6 %   10938   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.82   2.9.8 %   10932   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.82   2.9.8 %   10932   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.82   2.9.6 %   10942   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.82   2.9.6 %   10943   AAD   SG NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.82   2.9.6 %   10943   AAD   SG NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.85   2.9.6 %   10943   AAD   SG NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.85   2.9.6 %   10943   AAD   SG NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.85   2.9.6 %   10944   AAC   SG NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.85   2.9.6 %   10944   AAC   SG NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.85   2.9.6 %   10949   AAC   SG NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.87   2.9.6 %   10949   AAC   SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.87   2.9.6 %   10949   AAC   SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.87   2.9.6 %   10949   AAC   SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR; FDD   5.8	10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
1993 AAC 8G NR (DFT-8-OFDM, 1 NB, 30 MHz, QPSK, 15 MHz)	10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934 AAC 56 NR (DFT-6-OFDM, 1 RB, 40 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.51 ± 9.6 % 10935 AAD 56 NR (DFT-6-OFDM, 1 RB), 60% R3, 6 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.77 ± 9.6 % 10937 AAC 56 NR (DFT-6-OFDM, 50% R3, 6 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 56 NR (DFT-6-OFDM, 50% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 56 NR (DFT-6-OFDM, 50% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.77 ± 9.6 % 10938 AAC 56 NR (DFT-6-OFDM, 50% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.82 ± 9.8 % 10938 AAC 56 NR (DFT-6-OFDM, 50% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.82 ± 9.6 % 10941 AAC 56 NR (DFT-6-OFDM, 50% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.82 ± 9.6 % 10942 AAC 56 NR (DFT-6-OFDM, 50% R8, 30 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.82 ± 9.6 % 10943 AAD 56 NR (DFT-6-OFDM, 50% R8, 40 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10943 AAD 56 NR (DFT-6-OFDM, 50% R8, 40 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10943 AAC 56 NR (DFT-6-OFDM, 50% R8, 40 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10945 AAC 56 NR (DFT-6-OFDM, 100% R8, 50 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 56 NR (DFT-6-OFDM, 100% R8, 10 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10044 AAC 56 NR (DFT-6-OFDM, 100% R8, 10 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 10 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.85 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.80 ± 9.6 % 10049 AAC 56 NR (DFT-6-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz) 56 NR FR1 FDD 5.90 5.90 5.90 5.90 5.90 5.90 5.90 5.90	10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5 5 1	±9.6%
10935 AAD 59 NR (PFT-s-OFDM, 180, 80 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.51 ± 9.6 % 19806 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.77 ± 9.6 % 19937 AAC 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.97 ± 9.6 % 19938 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz) 5G NR FRT FDD 5.90 ± 9.8 % 10939 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz) 5G NR FRT FDD 5.80 ± 9.8 % 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.80 ± 9.6 % 10941 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.80 ± 9.6 % 10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.80 ± 9.6 % 10943 AAD 3G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.80 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.55 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.55 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.55 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.55 ± 9.6 % 10943 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.55 ± 9.6 % 10044 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.55 ± 9.6 % 10044 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.58 ± 9.6 % 10049 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.58 ± 9.6 % 10049 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.54 ± 9.6 % 10049 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.54 ± 9.6 % 10049 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.54 ± 9.6 % 10049 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 5G NN FRT FDD 5.94 ± 9.6 % 10055 AAA 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 5G NR FRT FDD 5.94 ± 9.6 % 10055 AAA 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, OPSK, 15 MHz) 5G NR FRT FDD 5.94 ± 9.6 % 10055 AAA 6G NR (DFT-s-OFDM, 100% RB, 40 MHz, OPSK, 15 MHz	10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 16 kHz)	. 5G NR FR1 FDD	5.51	
19836 AAC 66 NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.90 ± 9.6 % 1938 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.80 ± 9.8 % 10840 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.80 ± 9.6 % 10840 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.80 ± 9.6 % 10841 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.80 ± 9.6 % 10941 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.80 ± 9.6 % 10942 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.80 ± 9.6 % 10942 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.80 ± 9.6 % 10943 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.85 ± 9.6 % 10944 AAC 66 NR (DFT-6-OFDM, 50% NB, 10 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.95 ± 9.6 % 10945 AAC 66 NR (DFT-6-OFDM, 100% RB, 5 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.95 ± 9.6 % 10945 AAC 66 NR (DFT-6-OFDM, 100% RB, 5 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.95 ± 9.6 % 10945 AAC 66 NR (DFT-6-OFDM, 100% RB, 5 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.95 ± 9.6 % 10945 AAC 66 NR (DFT-6-OFDM, 100% RB, 5 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.95 ± 9.6 % 10044 AAC 50 NR (DFT-6-OFDM, 100% RB, 5 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.85 ± 9.6 % 10049 AAC 50 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10049 AAC 50 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10049 AAC 50 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10050 AAC 66 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10050 AAC 66 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10050 AAC 66 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10050 AAC 66 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10050 AAC 66 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 56 NR FRI FDD 5.87 ± 9.6 % 10050 AAC 66 NR (DFT-6-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 5	10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	
10937   AAC   50 NR (DFT-s-DFDM, 50% RB, 10 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.77   £ 9.6 %   10938   AAC   5G NR (DFT-s-DFDM, 50% RB, 20 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.82   £ 9.6 %   10941   AAC   5G NR (DFT-s-DFDM, 50% RB, 20 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.82   £ 9.6 %   10941   AAC   5G NR (DFT-s-DFDM, 50% RB, 20 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.82   £ 9.6 %   10941   AAC   5G NR (DFT-s-DFDM, 50% RB, 20 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.89   £ 9.6 %   10942   AAC   5G NR (DFT-s-DFDM, 50% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.85   £ 9.6 %   10943   AAC   5G NR (DFT-s-DFDM, 50% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.85   £ 9.6 %   10944   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.85   £ 9.6 %   10944   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.85   £ 9.6 %   10946   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.86   £ 9.6 %   10946   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.86   £ 9.6 %   10946   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.86   £ 9.6 %   10948   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.87   £ 9.6 %   10948   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.87   £ 9.6 %   10948   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.87   £ 9.6 %   109550   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.87   £ 9.6 %   109550   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.87   £ 9.6 %   109550   AAC   5G NR (DFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.87   £ 9.6 %   109550   AAC   5G NR CDFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.87   £ 9.6 %   109550   AAC   5G NR CDFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)   5G NR FR1 FDD   5.92   £ 9.6 %   109550   AAC   5G NR CDFT-s-DFDM, 100% RB, 50 MHz, QPSK, 15 NHz)	10935 :	AAD	5G NR (OFT-s-OFDM, 1 RB, 50 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
19938   AAC   SG NR (DFT-s-OFDM, 50% HB, 15 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.90   £ 9.8 %   19939   AAC   SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.82   ± 9.6 %   19941   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, CPSK, 15 MHz)   SG NR FR1 FDD   S.83   ± 9.6 %   19942   AAC   SG NR (DFT-s-OFDM, 50% RB, 30 MHz, CPSK, 15 MHz)   SG NR FR1 FDD   S.83   ± 9.6 %   19942   AAC   SG NR (DFT-s-OFDM, 50% RB, 40 MHz, CPSK, 15 MHz)   SG NR FR1 FDD   S.83   ± 9.6 %   19943   AAC   SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.95   ± 9.6 %   19943   AAC   SG NR (DFT-s-OFDM, 10% RB, 50 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.95   ± 9.6 %   19944   AAC   SG NR (DFT-s-OFDM, 10% RB, 50 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.95   ± 9.6 %   19945   AAC   SG NR (DFT-s-OFDM, 10% RB, 10 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.96   ± 9.6 %   19947   AAC   SG NR (DFT-s-OFDM, 10% RB, 10 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.84   ± 9.6 %   19947   AAC   SG NR (DFT-s-OFDM, 10% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.87   ± 9.6 %   19949   AAC   SG NR (DFT-s-OFDM, 10% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.87   ± 9.6 %   19949   AAC   SG NR (DFT-s-OFDM, 10% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.87   ± 9.6 %   19959   AAC   SG NR (DFT-s-OFDM, 10% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.87   ± 9.6 %   19950   AAC   SG NR (DFT-s-OFDM, 10% RB, 20 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.87   ± 9.6 %   19950   AAC   SG NR (DFT-s-OFDM, 10% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.94   ± 9.6 %   19950   AAC   SG NR (DFT-s-OFDM, 10% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.94   ± 9.6 %   19950   AAC   SG NR CDT-s-OFDM, 10% RB, 30 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.94   ± 9.6 %   19950   AAA   SG NR DL (CP-OFDM, TM 3.1, 5 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.94   ± 9.6 %   19950   AAA   SG NR DL (CP-OFDM, TM 3.1, 5 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.94   ± 9.6 %   19950   AAA   SG NR DL (CP-OFDM, TM 3.1, 5 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   S.95	10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	ä.90	±9,6%
10939   AAC   56 NR (DFT-8-OFDM, 50% RB, 20 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.89   ± 9.6 %   10940   AAC   66 NR (DFT-8-OFDM, 50% RB, 25 MHz, CPSK, 15 kHz)   55 NR FR1 FDD   5.89   ± 9.6 %   10942   AAC   66 NR (DFT-8-OFDM, 50% RB, 40 MHz, CPSK, 15 kHz)   55 NR FR1 FDD   5.83   ± 9.6 %   10943   AAC   66 NR (DFT-8-OFDM, 50% RB, 40 MHz, CPSK, 15 kHz)   55 NR FR1 FDD   5.85   ± 9.6 %   10943   AAC   56 NR (DFT-8-OFDM, 90% RB, 50 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.95   ± 9.6 %   10944   AAC   56 NR (DFT-8-OFDM, 100% RB, 10 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.95   ± 9.6 %   10945   AAC   56 NR (DFT-8-OFDM, 100% RB, 10 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.86   ± 9.6 %   10946   AAC   56 NR (DFT-8-OFDM, 100% RB, 10 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.83   ± 9.6 %   10946   AAC   56 NR (DFT-8-OFDM, 100% RB, 10 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.83   ± 9.6 %   10948   AAC   56 NR (DFT-8-OFDM, 100% RB, 20 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.83   ± 9.6 %   10949   AAC   56 NR (DFT-8-OFDM, 100% RB, 20 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10949   AAC   56 NR (DFT-8-OFDM, 100% RB, 20 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10951   AAC   56 NR (DFT-8-OFDM, 100% RB, 20 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10951   AAD   56 NR (DFT-8-OFDM, 100% RB, 30 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10951   AAA   56 NR (DFT-8-OFDM, 100% RB, 30 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10951   AAA   56 NR (DFT-8-OFDM, 100% RB, 30 MHz, CPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10955   AAA   56 NR DL (CPO-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   56 NR FR1 FDD   5.82   ± 9.6 %   10955   AAA   56 NR DL (CPO-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   56 NR FR1 FDD   8.25   ± 9.6 %   10955   AAA   56 NR DL (CPO-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   56 NR FR1 FDD   8.42   ± 9.6 %   10956   AAA   56 NR DL (CPO-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   56 NR FR1 FDD   8.42   ± 9.6 %   10956   AAA   56 NR DL (CPO-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	10937	AAC	5G NR (DFT-s-QFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10840 AAC 56 NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.83 ± 9.6 % 10842 AAC 56 NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.83 ± 9.6 % 10943 AAD 56 NR (DFT-s-OFDM, 50% RB, 40 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.83 ± 9.6 % 10943 AAD 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10944 AAC 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10944 AAC 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10946 AAC 56 NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10946 AAC 56 NR (DFT-s-OFDM, 100% RB, 15 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10947 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10949 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10950 AAC 56 NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10951 AAC 56 NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10951 AAC 56 NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10951 AAC 56 NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz) 56 NR FR1 FDD 5.8 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 MHz) 56 NR FR1 FDD 5.9 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 MHz) 56 NR FR1 FDD 8.2 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 MHz) 56 NR FR1 FDD 8.2 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 MHz) 56 NR FR1 FDD 8.2 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 MHz) 56 NR FR1 FDD 8.3 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 MHz) 56 NR FR1 FDD 8.3 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 MHz) 56 NR FR1 FDD 9.3 ± 9.6 % 10951 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 MHz)	10938	AAC	5G NR (CFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10941   AAC   56 NR (DFT-6-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.83   4.9.6 %   10942   AAC   56 NR (DFT-5-OFDM, 50% RB, 40 MHz, OFSK, 15 kHz)   56 NR FR1 FDD   5.95   4.0.6 %   10944   AAC   56 NR (DFT-6-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.95   4.9.6 %   10944   AAC   56 NR (DFT-6-OFDM, 100% RB, 10 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.85   4.0.6 %   10945   AAC   56 NR (DFT-6-OFDM, 100% RB, 10 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.85   4.0.6 %   10946   AAC   56 NR (DFT-6-OFDM, 100% RB, 10 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.83   4.9.6 %   10946   AAC   56 NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.83   4.9.6 %   10948   AAC   56 NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.87   4.9.6 %   10948   AAC   56 NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.94   4.9.6 %   10950   AAC   56 NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.94   4.9.6 %   10950   AAC   56 NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.94   4.9.6 %   10950   AAC   56 NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.94   4.9.6 %   10950   AAA   56 NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.92   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 15 kHz)   56 NR FR1 FDD   5.92   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 15 kHz)   56 NR FR1 FDD   8.23   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 15 kHz)   56 NR FR1 FDD   8.15   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 15 kHz)   56 NR FR1 FDD   8.15   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 15 kHz)   56 NR FR1 FDD   8.14   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 15 kHz)   56 NR FR1 FDD   8.14   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 15 kHz)   56 NR FR1 FDD   8.14   4.9.6 %   10950   AAA   56 NR DL (CP-OFDM, 173.1, 15 MHz, 64-OAM, 30 kHz)	10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,82	±9.6%
10942 AAC 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10944 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 19.6 % 10945 AAC 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 9.6 % 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.84 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10952 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, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, 100% RB, 100 MHz, QPSK, 1	10940	AAC	GG NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 FOD	5.89	±96%
10943   AAD   SG NR (DET-S-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.85   ± 9.6 %   10944   AAC   SG NR (DET-S-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.85   ± 9.6 %   10945   AAC   SG NR (DET-S-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.85   ± 9.6 %   10946   AAC   SG NR (DET-S-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.83   ± 9.6 %   10947   AAC   SG NR (DET-S-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.83   ± 9.6 %   10948   AAC   SG NR (DET-S-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.87   ± 9.6 %   10949   AAC   SG NR (DET-S-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.94   ± 9.5 %   10950   AAC   SG NR (DET-S-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.94   ± 9.6 %   10950   AAC   SG NR (DET-S-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.94   ± 9.6 %   10950   AAC   SG NR (DET-S-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.94   ± 9.6 %   10950   AAA   SG NR (DET-S-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.92   ± 9.6 %   10950   AAA   SG NR (DET (CP-OFDM, TM 3.1, 5 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   5.92   ± 9.6 %   10950   AAA   SG NR (DET (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   8.25   ± 9.6 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   8.25   ± 9.6 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   8.25   ± 9.6 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   8.42   ± 9.9 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   8.42   ± 9.9 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   8.31   ± 9.6 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   8.31   ± 9.6 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR FR1 FDD   9.32   ± 9.6 %   10950   AAA   SG NR DE (CP-OFDM, TM 3.1, 10 MHz, QPSK, 15 kHz)   SG NR F	10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6%
10944 AAC SG NR (DFT-s-OFDIM, 100% RB, 5 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.85 ±9.6 % 10945 AAC SG NR (DFT-s-OFDIM, 100% RB, 10 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.85 ±9.6 % 10946 AAC SG NR (DFT-s-OFDIM, 100% RB, 75 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.87 ±9.6 % 10948 AAC SG NR (DFT-s-OFDIM, 100% RB, 20 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.87 ±9.6 % 10949 AAC SG NR (DFT-s-OFDIM, 100% RB, 20 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.94 ±9.6 % 10949 AAC SG NR (DFT-s-OFDIM, 100% RB, 20 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.94 ±9.6 % 10951 AAC SG NR (DFT-s-OFDIM, 100% RB, 20 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.94 ±9.6 % 10951 AAC SG NR (DFT-s-OFDIM, 100% RB, 20 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.94 ±9.6 % 10951 AAC SG NR (DFT-s-OFDIM, 100% RB, 30 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.92 ±9.6 % 10951 AAA SG NR DL (CP-OFDIM, 100% RB, 30 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.92 ±9.6 % 10952 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.92 ±9.6 % 10953 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 5.92 ±9.6 % 10953 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 8.15 ±9.6 % 10954 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 8.15 ±9.6 % 10955 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 8.15 ±9.6 % 10955 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 8.16 ±9.6 % 10958 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 8.14 ±9.6 % 10958 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 8.14 ±9.6 % 10958 AAA SG NR DL (CP-OFDIM, 100% RB, 50 MHz, QPSK, 15 MHz) SG NR FR1 FDD 8.14 ±9.6 % 10958 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100% RB, 60 AAA SG NR DL (CP-OFDIM, 100%	10942	AAC	5G NR (DFT-s-OFOM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10945 AAC SG NR (DFT-6-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.85 ± 9.6 % 10946 AAC SG NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.83 ± 9.6 % 10947 AAC SG NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.87 ± 9.6 % 10948 AAC SG NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.94 ± 9.6 % 10949 AAC SG NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.94 ± 9.6 % 10950 AAC SG NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.94 ± 9.6 % 10950 AAC SG NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.94 ± 9.6 % 10950 AAC SG NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz) SG NR FR1 FDD 5.92 ± 9.6 % 10953 AAA SG NR DL (CP-OFDM, TM 3.1, 5 MHz, G4-OAM, 15 MHz) SG NR FR1 FDD 8.25 ± 9.6 % 10953 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 15 MHz) SG NR FR1 FDD 8.25 ± 9.6 % 10954 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 15 MHz) SG NR FR1 FDD 8.25 ± 9.6 % 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.42 ± 9.6 % 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.14 ± 9.6 % 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.14 ± 9.6 % 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.14 ± 9.6 % 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.14 ± 9.6 % 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.14 ± 9.6 % 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.14 ± 9.6 % 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 2 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 8.92 ± 9.6 % 10958 AAA SG NR DL (CP-OFDM, TM 3.1, 1 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 9.32 ± 9.6 % 10958 AAA SG NR DL (CP-OFDM, TM 3.1, 1 MHz, 64-OAM, 30 MHz) SG NR FR1 FDD 9.32 ± 9.6 % 10958 AAB SG NR DL (CP-OFDM, TM 3.1, 1 MHz, 64-OAM, 30 MHz) SG NR FR1 TDD 9.40 ± 9.6 % 10958 AAB SG NR DL (CP-OFDM, TM 3.1, 1 MHz, 64-OAM, 30 MHz) SG NR FR1 TDD 9.40 ± 9.6 % 10958 AAB SG NR DL (CP-OFDM, TM 3.1, 10 MHz,	10943	AAD	5G NR (DFT-s-DFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10945   AAC   SG NR (DFT-6-OFDM, 100% RB, 10 MHz, OPSK, 15 MHz)   SG NR FR1 FDD   5.85   ± 9.6 %   10946   AAC   SG NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz)   SG NR FR1 FDD   5.87   ± 9.6 %   10948   AAC   SG NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz)   SG NR FR1 FDD   5.87   ± 9.6 %   10949   AAC   SG NR (DFT-6-OFDM, 100% RB, 20 MHz, OPSK, 15 MHz)   SG NR FR1 FDD   5.94   ± 9.6 %   10950   AAC   SG NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz)   SG NR FR1 FDD   5.97   ± 9.6 %   10950   AAC   SG NR (DFT-6-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz)   SG NR FR1 FDD   5.94   ± 9.6 %   10950   AAC   SG NR (DFT-6-OFDM, 100% RB, 50 MHz, OPSK, 15 MHz)   SG NR FR1 FDD   5.92   ± 9.6 %   10952   AAA   SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 15 MHz)   SG NR FR1 FDD   5.92   ± 9.6 %   10953   AAA   SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 MHz)   SG NR FR1 FDD   8.25   ± 9.6 %   10955   AAA   SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 15 MHz)   SG NR FR1 FDD   8.15   ± 9.6 %   10955   AAA   SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.42   ± 9.6 %   10956   AAA   SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.14   ± 9.6 %   10958   AAA   SG NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.14   ± 9.6 %   10958   AAA   SG NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.16   ± 9.6 %   10958   AAA   SG NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.61   ± 9.6 %   10958   AAA   SG NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.61   ± 9.6 %   10958   AAA   SG NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.61   ± 9.6 %   10958   AAA   SG NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   8.61   ± 9.6 %   10958   AAA   SG NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 MHz)   SG NR FR1 FDD   9.52   ± 9.6 %   10958   AAB   SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 30 MHz)   SG NR FR1 TDD   9.52   ± 9.6 %   10958   AAB   SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-	10944	AAC	5G NR (DFT-s-DFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.84	± 9.6 %
10947   AAC   56 NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10948   AAC   56 NR (DFT-s-OFDM, 100% RB, 26 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.84   ± 9.6 %   10949   AAC   56 NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.87   ± 9.6 %   10950   AAC   56 NR (DFT-s-OFDM, 100% RB, 40 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.94   ± 9.6 %   10951   AAD   56 NR (DFT-s-OFDM, 100% RB, 40 MHz, OPSK, 15 kHz)   56 NR FR1 FDD   5.92   ± 9.6 %   10953   AAA   56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-DAM, 15 kHz)   56 NR FR1 FDD   8.25   ± 9.6 %   10953   AAA   56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-DAM, 15 kHz)   56 NR FR1 FDD   8.15   ± 9.6 %   10953   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 15 kHz)   56 NR FR1 FDD   8.15   ± 9.6 %   10953   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 15 kHz)   56 NR FR1 FDD   8.25   ± 9.6 %   10955   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   8.42   ± 9.6 %   10957   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   8.14   ± 9.6 %   10959   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   8.31   ± 9.6 %   10959   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   8.31   ± 9.6 %   10959   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   8.31   ± 9.6 %   10959   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   8.33   ± 9.6 %   10959   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   8.33   ± 9.6 %   10959   AAB   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   9.32   ± 9.6 %   10956   AAB   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   9.32   ± 9.6 %   10956   AAB   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 FDD   9.55   ± 9.6 %   10956   AAB   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)   56 NR FR1 TDD   9.55   ± 9.6 %   10956   AAB   56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 6	10945		5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5C NR FR1 FDD	5.85	± 9.6 %
10949 AAC 5G NR (DFT-2-OFDM, 100% RB, 26 MHz, QPSK, 15 MHz) 5G NR FR1 FDD 5.84 ± 9.6 % 10949 AAC 5G NR (DFT-2-OFDM, 100% RB, 30 MHz, QPSK, 15 MHz) 5G NR FR1 FDD 5.87 ± 9.6 % 10950 AAC 5G NR (DFT-2-OFDM, 100% RB, 30 MHz, QPSK, 15 MHz) 5G NR FR1 FDD 5.94 ± 9.6 % 149.6 % 10951 AAD 5G NR (DFT-2-OFDM, 100% RB, 50 MHz, QPSK, 15 MHz) 5G NR FR1 FDD 5.94 ± 9.6 % 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 8.24 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 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 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 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, 15 KHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz) 5G NR FR1 TDD 9.30 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz) 5G NR FR1 TDD 9.30 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz) 5G NR FR1 TDD 9.50 ± 9.6 % 10956 AAB 5G NR DL	10946	AAC	5G NR (DFT s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6%
10949 AAC SG NR (DFT-s-O-DM, 100% RB, 30 MHz, QPSK, 15 MHz)		AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6%
10950   AAC   EG NR (DIT-s-O-FDM, 100% RB, 40 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   5.94   ± 9.6 %   10951   AAD   SG NR (DFT-s-O-FDM, 100% RB, 50 MHz, QPSK, 15 MHz)   SG NR FR1 FDD   5.92   ± 9.6 %   10953   AAA   SG NR DL (CP-O-FDM, TM 3.1, 5 MHz, 64-QAM, 15 KHz)   SG NR FR1 FDD   8.25   ± 9.6 %   10953   AAA   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)   SG NR FR1 FDD   8.15   ± 9.6 %   10955   AAA   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)   SG NR FR1 FDD   8.23   ± 9.6 %   10955   AAA   SG NR DL (CP-O-FDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz)   SG NR FR1 FDD   8.42   ± 9.6 %   10957   AAA   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)   SG NR FR1 FDD   8.14   ± 9.6 %   10959   AAA   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   SG NR FR1 FDD   8.61   ± 9.6 %   10959   AAA   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   SG NR FR1 FDD   8.61   ± 9.6 %   10959   AAA   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   SG NR FR1 FDD   8.63   ± 9.6 %   10959   AAA   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   SG NR FR1 FDD   8.33   ± 9.6 %   10960   AAC   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   SG NR FR1 FDD   9.32   ± 9.6 %   10961   AAB   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   SG NR FR1 TDD   9.32   ± 9.6 %   10963   AAB   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   SG NR FR1 TDD   9.34   ± 9.6 %   10963   AAB   SG NR DL (CP-O-FDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   SG NR FR1 TDD   9.35   ± 9.6 %   10966   AAB   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)   SG NR FR1 TDD   9.35   ± 9.6 %   10963   AAB   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)   SG NR FR1 TDD   9.55   ± 9.6 %   10966   AAB   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)   SG NR FR1 TDD   9.55   ± 9.6 %   10966   AAB   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)   SG NR FR1 TDD   9.55   ± 9.6 %   10966   AAB   SG NR DL (CP-O-FDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)   SG NR FR1 TDD   9.55   ± 9.6 %   10966   AAB   SG NR DL (CP-O-	10948	AAC	5G NR (DF)-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951   AAD   56 NR (DFT-s-OFDM, 100% R8, 50 MHz, QPSK, 15 MHz)   59 NR FR1 FDD   5.92   1.9.6 %   10952   AAA   56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 KHz)   50 NR FR1 FDD   8.25   ± 9.6 %   10953   AAA   56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)   55 NR FR1 FDD   8.25   ± 9.6 %   10954   AAA   50 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)   55 NR FR1 FDD   8.42   ± 9.6 %   10955   AAA   56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz)   56 NR FR1 FDD   8.42   ± 9.6 %   10956   AAA   56 NR DL (CP-OFDM, TM 3.1, 6 MHz, 64-QAM, 30 KHz)   56 NR FR1 FDD   8.31   ± 9.6 %   10957   AAA   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 FDD   8.31   ± 9.6 %   10958   AAA   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 FDD   8.61   ± 9.6 %   10959   AAA   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 FDD   8.61   ± 9.6 %   10959   AAA   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 FDD   8.33   ± 9.6 %   10960   AAC   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 FDD   9.32   ± 9.6 %   10961   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   56 NR FR1 TDD   9.32   ± 9.6 %   10962   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   56 NR FR1 TDD   9.36   ± 9.6 %   10963   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)   56 NR FR1 TDD   9.55   ± 9.6 %   10966   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 TDD   9.55   ± 9.6 %   10966   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 TDD   9.55   ± 9.6 %   10967   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 TDD   9.55   ± 9.6 %   10967   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 TDD   9.42   ± 9.6 %   10967   AAB   56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)   56 NR FR1 TDD   9.42   ± 9.6 %   10967   AAB   56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)   56 NR FR1 TDD   9.42   ± 9.6 %   10967   AAB   56 NR CDL (CP-OFDM, TM 3.1, 10 MH	10949	AAC	5G NR (OFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 9.6 % 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.41 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.63 ± 9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.56 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.57 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.58 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.58 ± 9.6 % 10950 AAB 5G NR DL (CP-OFDM, 10	10950	AAC	5G NR (OFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	
10953 AAA 9G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 9.6 % 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-OAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 9.6 % 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 6 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.44 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 12 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 9.6 % 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) 5G NR FR1 TDD 9.32 ± 9.6 % 10951 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 84-QAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10957 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10957 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10957 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.59 ± 9.6 % 10957 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10957 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10957 AAB 5G NR DL (CP-OFD	10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	4. 9.6 %
10964 AAA 5G NR DL (CP-OFDM, TM 3.1, 25 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, 30 kHz) 5G NR FR1 FDD 8.42 ±9.6 % 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ±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 % 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 8.61 ±9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ±9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ±9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ±9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ±9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ±9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ±9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 % 10967 AAB 5G NR DL (CP-OFDM, 1 RB, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 % 10973 AAB 5G NR DL (CP-OFDM, 1 RB, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 % 10973 AAB 5G NR DL (CP-OFDM, 1 RB, 100 MHz, CPSK, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 % 10974 AAB 5G NR DL (CP-OFDM, 1 RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 9.66 ±9.6 % 10974 AAB 5G NR (CP-OFDM, 1 RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 9.66 ±9.6 % 10974 AAB 5G NR (CP-OFDM, 1 RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 9.66 ±9.6 % 10974 AAA ULLA BDR	10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	59.6%
10955 AAA SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 8Hz)	10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10966       AAA       5G NR DL (CP-OFDM, TM 3.1.6 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14       ± 9.6 %         10957       AAA       5G NR DL (CP-OFDM, TM 3.1.10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31       ± 9.6 %         10958       AAA       5G NR DL (CP-OFDM, TM 3.1.15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61       ± 9.6 %         10959       AAA       5G NR DL (CP-OFDM, TM 3.1.20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33       ± 9.6 %         10960       AAC       5G NR DL (CP-OFDM, TM 3.1.5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       9.32       ± 9.6 %         10961       AAB       5G NR DL (CP-OFDM, TM 3.1.10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32       ± 9.6 %         10962       AAB       5G NR DL (CP-OFDM, TM 3.1.10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36       ± 9.6 %         10963       AAB       5G NR DL (CP-OFDM, TM 3.1.20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.40       ± 9.6 %         10964       AAC       5G NR DL (CP-OFDM, TM 3.1.5 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10965       AAB       5G NR DL (CP-OFDM, TM 3.1.10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37       ± 9.6 %         10966       AAB       5G NR DL (CP-OFDM,	10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)		8.23	±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 1.9.6 % 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.45 ± 9.6 % 10972 AAB 5G NR CP-OFDM, 1 RB, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.45 ± 9.6 % 10973 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.66 ± 9.6 % 10973 AAA ULLA BDR ULLA 7.02 ± 9.6 % 10973 AAA ULLA BDR ULLA 7.02 ± 9.6 % 10973 AAA ULLA BDR ULLA 7.02 ± 9.6 % 10973 AAA ULLA BDR ULLA 7.02 ± 9.6 % 10980 AAA ULLA BDR	10955	AAA	SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz)	5G NR FR1 FDD	8.42	± 9.6 %
10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 1.9.6 % 1.0959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 1.0960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 1.0961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 1.0962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 1.0963 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 1.0964 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.8 % 1.0965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 1.0966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 1.0967 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 1.0968 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 1.0972 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 1.0973 AAB 5G NR (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 1.0973 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ± 9.6 % 1.0973 AAB 5G NR (CP-OFDM, 1 RB, 100 MHz, 0.0PSK, 15 kHz) 5G NR FR1 TDD 10.28 ± 9.6 % 1.0978 AAA ULLA BDR ULLA 5C OFD MLA 5C OF	0956	, AAA	5G NR DL (CP-OFDM, TM 3.1, 6 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	B.14	±9.6%
10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 9.32 ± 9.6 % 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ± 9.6 % 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 ± 9.6 % 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.5 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.5 % 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10973 AAB 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 9.06 ± 9.6 % 10978 AAA ULLA BDR ULLA 2.23 ± 9.8 % 10978 AAA ULLA BDR ULLA 8.82 ± 9.6 % 10980 AAA ULLA HDR4 ULLA BDR ULLA 8.82 ± 9.6 % 10980 AAA ULLA HDR4 ULLA BDR ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR4 ULLA HDR4 ULLA 8.82 ± 9.6 % 10981 AAA ULLA HDR4 ULLA HDR4 ULLA 1.50 ± 9.6 % 10981 AAA ULLA HDR4	10957	AAA	5G NR OL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10960 AAC 56 NR DL (CP OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.32 ± 9.6 % 10961 AAB 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.36 ± 9.6 % 10962 AAB 56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.40 ± 9.6 % 10963 AAB 56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.55 ± 9.6 % 10984 AAC 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 56 NR FR1 TDD 9.29 ± 9.6 % 10965 AAB 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 56 NR FR1 TDD 9.37 ± 9.6 % 10966 AA6 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 56 NR FR1 TDD 9.55 ± 9.6 % 10967 AAB 56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 56 NR FR1 TDD 9.42 ± 9.6 % 10968 AAB 56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 56 NR FR1 TDD 9.42 ± 9.6 % 10972 AAB 56 NR CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 56 NR FR1 TDD 9.49 ± 9.6 % 10973 AAB 56 NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 56 NR FR1 TDD 11.59 ± 9.6 % 10973 AAB 56 NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 56 NR FR1 TDD 10.28 ± 9.6 % 10973 AAA ULLA BDR ULLA BDR ULLA 7.02 ± 9.6 % 10979 AAA ULLA HDRA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10980 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA ULLA HDRA ULLA 5.82 ± 9.6 % 10981 AAA ULLA HDRA	10958	AAA	59 NR DL (CP-OFDM, TM 3.1. 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	
10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36       ± 9.6 %         10962       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 QAM, 15 kHz)       5G NR FR1 TDD       9.40       ± 9.6 %         10963       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10964       AAC       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.29       ± 9.6 %         10965       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37       ± 9.6 %         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10967       AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10968       AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10973       AAB       5G NR (CP-OFDM, 1 RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10978       AAA       ULLA	10959	AAA	F = 1 = - V =	5G NR FR1 FDD	8.33	± 9.6 %
10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36       ± 9.6 %         10962       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64 QAM, 15 kHz)       5G NR FR1 TDD       9.40       ± 9.6 %         10963       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10964       AAC       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.29       ± 9.6 %         10965       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37       ± 9.6 %         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10967       AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10968       AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10973       AAB       5G NR (CP-OFDM, 1 RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10978       AAA       ULLA	10960	AAC			9.32	
10963       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 45 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10984       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.29       ± 9.6 %         10965       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37       ± 9.6 %         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10967       AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10968       AAB       5G NR CL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.49       ± 9.6 %         10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       11.59       ± 9.6 %         10973       AAB       5G NR (DFT-9-OFDM, 1 RB, 100 MHz, QPSK, 50 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA BDR       ULLA       2.23       ± 9.6 %         10980       AAA       ULLA HDR4       ULLA       5.82 <t< td=""><td></td><td></td><td>5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)</td><td><del></del></td><td>9.36</td><td></td></t<>			5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	<del></del>	9.36	
10984       AAC       5G NR Dt. (CP-OFDM, TM 3.1, 5 MHz. 64-QAM, 30 kHz)       5G NR FR1 TDD       9.29       ± 9.6 %         10965       AAB       5G NR Dt. (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37       ± 9.6 %         10966       AAB       5G NR Dt. (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10967       AAB       5G NR Dt. (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10968       AAB       5G NR Ct. (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.49       ± 9.6 %         10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       11.59       ± 9.6 %         10973       AAB       5G NR (DFT-9-OFDM, 1 RB, 100 MHz, QPSK, 50 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA       2.28       ± 9.6 %         10980       AAA       ULLA HDRA       ULLA       7.02       ± 9.6 %         10980       AAA       ULLA HDRA       ULLA       1.50       ± 9.6 %         10981       AAA<	10962	AAB		<del></del>	1	<del>,</del>
10965       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37       ± 9.6 %         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10967       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10968       AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.49       ± 9.6 %         10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       11.59       ± 9.6 %         10973       AAB       5G NR (DFT-9-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA BDR       ULLA       2.23       ± 9.6 %         10980       AAA       ULLA HDR4       ULLA       7.02       ± 9.6 %         10981       AAA       ULLA HDR4       ULLA       1.50       ± 9.6 %	10963	AAB				
10966       AAB       9G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ± 9.6 %         10967       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ± 9.6 %         10968       AAB       5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.49       ± 9.6 %         10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       11.59       ± 9.6 %         10973       AAB       5G NR (DFT-9-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA BDR       ULLA       2.28       ± 9.6 %         10980       AAA       ULLA HDR4       ULLA       8.82       ± 9.6 %         10981       AAA       ULLA HDR4       ULLA       8.82       ± 9.6 %	10984	AAC			9.29	
10967       AAB       5G NR DL (CP-0FDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 1DD       9.42       ± 9.6 %         10988       AAB       5G NR DL (CP-0FDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.49       ± 9.6 %         10972       AAB       5G NR (CP-0FDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       11.59       ± 9.6 %         10973       AAB       5G NR (DFT-9-0FDM, 1 RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-0FDM, 100% RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA BDR       ULLA       2.23       ± 9.6 %         10979       AAA       ULLA HDR4       ULLA       7.02       ± 9.6 %         10980       AAA       ULLA HDR4       ULLA       5.82       ± 9.6 %         10981       AAA       ULLA HDR4       ULLA       5.82       ± 9.6 %	10965	AAB			<del></del>	
10968       AAB       5G NR DL (CP-OFDM, FM 3.1, 100 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.49       ± 9.6 %         10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TDD       11.59       ± 9.6 %         10973       AAB       5G NR (DFT-5-OFDM, 1 RB, 100 MHz, QPSK, 50 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA BDR       ULLA       2.28       ± 9.6 %         10980       AAA       ULLA HDR4       ULLA       7.02       ± 9.6 %         10981       AAA       ULLA HDR4       ULLA       8.82       ± 9.6 %         10981       AAA       ULLA HDR4       ULLA       1.50       ± 9.6 %	10966	AAB				
10972       AAB       5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 TOD       11.59       ± 9.6 %         10973       AAB       5G NR (DFT-9-OFDM, 1 RB, 100 MHz, QPSK, 50 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA BDR       ULLA       2.28       ± 9.6 %         10980       AAA       ULLA HDR4       ULLA       7.02       ± 9.6 %         10981       AAA       ULLA HDR4       ULLA       8.82       ± 9.6 %         10981       AAA       ULLA HDR4       ULLA       1.50       ± 9.6 %	10967	AAB				
10973       AAB       5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       9.06       ± 9.6 %         10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MHz, 250-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA       2.23       ± 9.8 %         10979       AAA       ULLA HDR4       ULLA       7.02       ± 9.6 %         10980       AAA       ULLA HDR0       ULLA       8.82       ± 9.6 %         10981       AAA       ULLA HDR04       ULLA       1.50       ± 9.6 %	10968	AAB	5G NR DL (CP-OFDM, FM 3.1, 100 MHz, 64-Q/M, 30 kHz)	<del></del>	+	
10974       AAB       5G NR (CP-OFDM, 100% RB, 100 MFz, 256-QAM, 30 kHz)       5G NR FR1 TDD       10.28       ± 9.6 %         10978       AAA       ULLA BDR       ULLA       2.23       ± 9.6 %         10979       AAA       ULLA HDR4       ULLA       7.02       ± 9.6 %         10980       AAA       ULLA HDR0       ULLA       8.82       ± 9.6 %         10981       AAA       ULLA HDR0       ULLA       1.50       ± 9.6 %	10972	AAB			1	••
10978       AAA       ULLA BDR       ULLA       2.28       ± 9.6 %         10979       AAA       ULLA HDR4       ULLA       7.02       ± 9.6 %         10980   AAA       ULLA HDR6       ULLA       8.82       ± 9.6 %         10981   AAA       ULLA HDR94       ULLA       1.50       ± 9.6 %	10973	AAB			··· ·	,
10979 AAA       ULLA HDR4       ULLA       7.02 ±9.6 %         10980 AAA       ULLA HDR0       ULLA       5.82 ±9.6 %         10981 AAA       ULLA HDRp4       ULLA       1.50 ±9.6 %	10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)		<del></del>	· · · · · · · · · · · · · · · · · · ·
10980 AAA ULLA HORB ULLA 8.82 ±9.6 % 10981 AAA ULLA HORB4 ULLA HORB4 ULLA 1.50 ±9.6 %	10978	AAA	ULLA BDR		+	
10981 AAA ULIA HDRP4 ULIA 1.50 ±9.6 %	10979	AAA	ULLA HDR4			
10301 AA 00511 MA	109 <b>8</b> 0	IAAA	ULLA HORO			
10982 JAAA ULLA HDRp8 ULLA 1.44 ± 9.6 %	10981	AAA	ULIA HDRp4	<del></del>	<del>                                     </del>	
	10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

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