APPENDIX G: CALIBRATION CERTIFICATES

Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kallbrierdienst
C Service sulsse d'étalonnage
Servizio svizzero di taratura
S Swiss Callbration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Cilent

Element Columbia, USA Certificate No.

D750V3-1161_Oct24

CALIBRATION CERTIFICATE

Object

D750V3 - SN: 1161

SPS 10/20/24

Calibration procedure(s)

QA CAL-05.v12

Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date

October 7, 2024

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 Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	22-Jul-24 (No. 4030A315008547)	Jul-25
Spectrum Analyzer R&S FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Mismatch; Short [S4188] Attenuator [S4423]	SN: 1152	28-Mar-24 (No. 217-04050)	Mar-25
OCP DAK-12	SN: 1016	24-Sep-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sep-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4ip	SN: 1836	10-Jan-24 (No. DAE4ip-1836_Jan24)	Jan-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 675-CAL16-S4588-240528)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

Name

Function

Signature

Calibrated by

Paulo Pina

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: October 8, 2024

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

Certificate No: D750V3-1161_Oct24

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Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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Multilateral Agreement for the recognition of calibration certificates

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

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

Additional Documentation

· 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 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%.

Certificate No: D750V3-1161_Oct24 Page 2 of 6

Measurement Conditions

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

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with spacer
Zoom Scan Resolution	dx, dy = 6mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	750MHz ±1MHz	

Head TSL parameters at 750 MHz

The following parameters and calculations were applied.

	Temperature	Permittlvity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.9	0.890 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	42.5 ±6%	0.890 mho/m ±6%
Head TSL temperature change during test	< 0.5 °C	۸.	

SAR result with Head TSL at 750 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	2.10 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.36 W/kg ±17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	1.36 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.41 W/kg ±16.5% (k = 2)

Certificate No: D750V3-1161_Oct24

October 7, 2024

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 750 MHz

Impedance	54.3 Ω – 2.2 jΩ
Return Loss	-26.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.037 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

D750V3 - SN: 1161 October 7, 2024

System Performance Check Report

-				
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Dipole	Frequency (MHz)	TSL	Power [dBm]
D750V3 - SN1161	750	HSL	24
	<u> </u>		

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UiD	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	15		CW, 0	750, 0	9.9	0.89	42.5

Hardware Setup

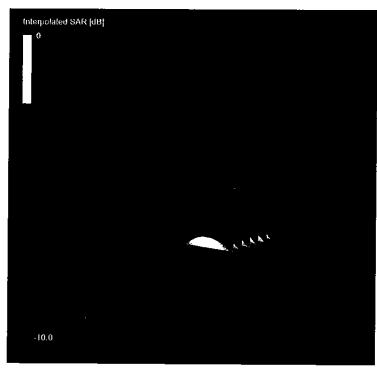
Phantom	TSL, Measured Date	Probe, Callbration Date	DAE, Calibration Date
Flat V4.9 mod	HSL, 2024-10-07	EX3DV4 - SN7349, 2024-06-03	DAE4Ip Sn1836, 2024-01-10

Scans Setup

Zoom Scan	
30 x 30 x 30	Grid Extents [mm]
6.0 x 6.0 x 1.5	Grid Steps [mm]
1.4	Sensor Surface (mm)
Yes	Graded Grid
1.5	Grading Ratio
N/A	MAIA
VMS + 6p	Surface Detection
Measured	Scan Method
	Scan Method

Measurement Results

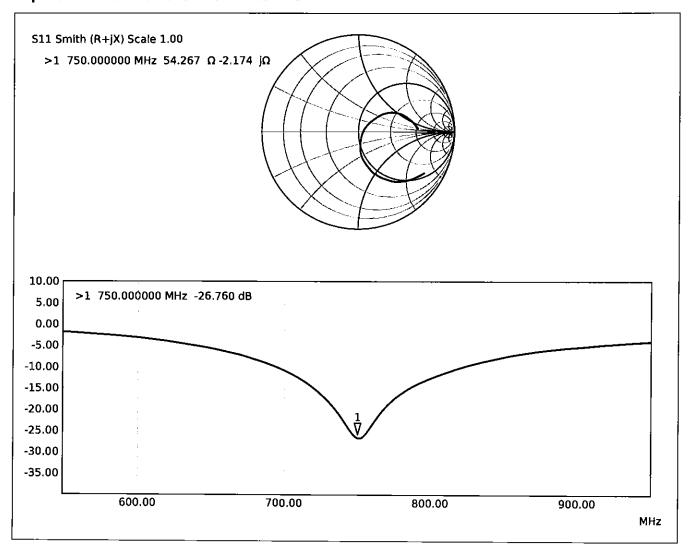
measurement Results	
	Zoom Scan
Date	2024-10-07
psSAR1g (W/Kg)	2.10
psSAR10g [W/Kg]	1.36
Power Drift [dB]	0.00
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	Positive / Negative
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0 dB = 3.35 W/Kg

D750V3 - SN: 1161 October 7, 2024

Impedance Measurement Plot for Head TSL



Calibration Laboratory of

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





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Accreditation No.: SCS 0108

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Client Element

Columbia, USA

Certificate No. D835V2-4d132_Jan24

CALIBRATION CERTIFICATE

Object

D835V2 - SN:4d132

SRS 02/07/24

Calibration procedure(s)

QA CAL-05.v12

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

SRS 02/05/25

Calibration date:

January 18, 2024

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)

100 4

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
Power sensor NRP-Z91	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Reference 20 dB Attenuator	SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
Type-N mismatch combination	SN: 310982 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349_Nov23)	Nov-24
DAE4	SN: 601	03-Oct-23 (No. DAE4-601_Oct23)	Oct-24
Secondary Standards .	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Paulo Pina	Laboratory Technician	fund per
Approved by:	Sven Kühn	Technical Manager	5,5
i			

Issued: January 18, 2024

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Certificate No: D835V2-4d132_Jan24

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Accreditation No.: SCS 0108

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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:

Certificate No: D835V2-4d132_Jan24

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY52	V52,10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy , $dz = 5 mm$	
Frequency	835 MHz ± 1 MHz	

Head TSL parametersThe following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.90 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	42.5 ± 6 %	0.93 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	2.51 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.84 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.63 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.40 W/kg ± 16.5 % (k=2)

Certificate No: D835V2-4d132_Jan24

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	51.1 Ω - 2.3 jΩ
Return Loss	- 32.0 dB

General Antenna Parameters and Design

En al LEST (Box 45 m)	1.387 ns	- 1
Electrical Delay (one direction)	1.307 115	ı
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

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

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

Additional EUT Data

Manufactured by	SPEAG
1	

Certificate No: D835V2-4d132_Jan24 Page 4 of 7

DASY5 Validation Report for Head TSL

Date: 18.01.2024

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d132

Communication System: UID 0 - CW; Frequency: 835 MHz

Medium parameters used: f = 835 MHz; $\sigma = 0.93$ S/m; $\varepsilon_r = 42.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(9.69, 9.69, 9.69) @ 835 MHz; Calibrated: 03.11.2023

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 03.10.2023
- Phantom: Flat Phantom 4.9 (front); Type: QD 00L P49 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 64.07 V/m; Power Drift = -0.04 dB

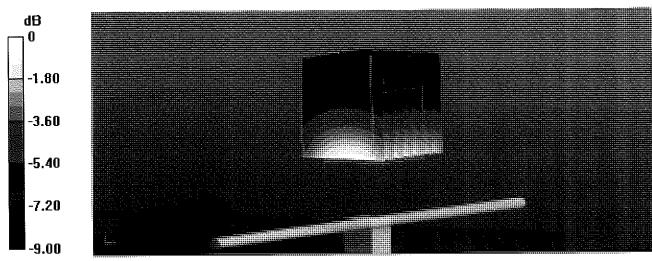
Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.63 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

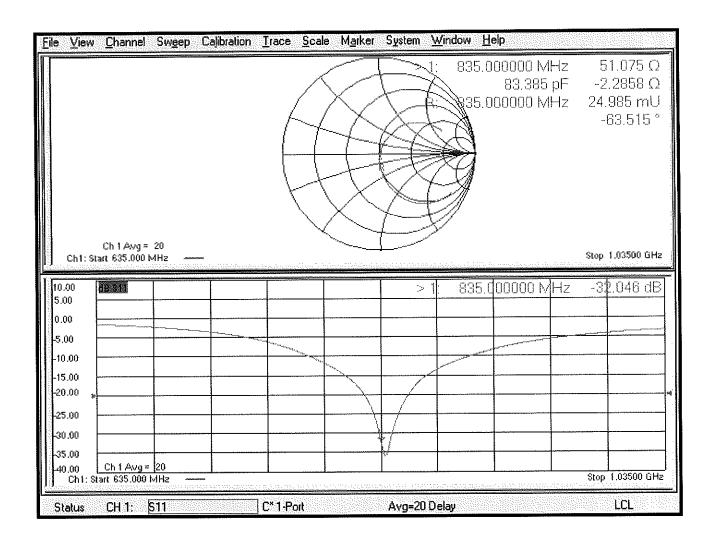
Ratio of SAR at M2 to SAR at M1 = 66.7%

Maximum value of SAR (measured) = 3.31 W/kg



0 dB = 3.31 W/kg = 5.20 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 cSAR3D V2 -R/L

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	9.35 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR averaged over 10 cm. (10 g) of flead 13L	Condition	

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	9.82 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	condition	

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	9.33 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	condition	

SAR result with SAM Head (Ear ≅ D90)

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	normalized to 1W	8.02 W/kg ± 17.5 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	condition	

Certificate No: D835V2-4d132_Jan24

 $^{^{\}rm 1}$ Additional assessments outside the current scope of SCS 0108

element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D835V2 – SN: 4d132

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

Extension Calibration date: 01/17/2025

Description: SAR Validation Dipole at 835 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	N5182A	MXG Vector Signal Generator	3/7/2024	Annual	3/7/2025	MY47420603
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Anritsu	MA24106A	USB Power Sensor	3/14/2024	Annual	3/14/2025	1349513
Control Company	4040	Digital Thermometer	3/27/2023	Biennial	3/27/2025	230208311
Control Company	4052	Long Stem Thermometer	2/27/2024	Annual	2/27/2025	240171059
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-1200+	Low Pass Filter DC to 1000 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Huber + Suhner	74Z-0-0-21	Torque Wrench	10/17/2023	Biennial	10/17/2025	16476
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	3/8/2024	Annual	3/8/2025	1204153
SPEAG	DAK-3.5	Dielectric Assessment Kit	10/15/2024	Annual	10/15/2025	1091
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	2/12/2024	Annual	2/12/2025	MY53401181
SPEAG	EX3DV4	SAR Probe	6/17/2024	Annual	6/17/2025	7409
SPEAG	DAE4	Dasy Data Acquisition Electronics	6/11/2024	Annual	6/11/2025	1334

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

	Name	Function	Signature
Calibrated By:	Tho Tong	Test Engineer	Tho Tong
Approved By:	Greg Snyder	Executive VP of Operations, Regulatory	Lugg U.S.

Object:	Date Issued:	Page 1 of 3
D835V2 – SN: 4d132	01/17/2025	rage rors

DIPOLE CALIBRATION EXTENSION

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

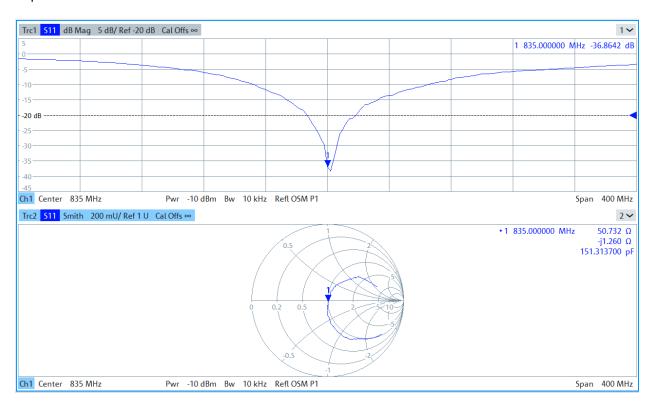
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

	ibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 23.0 dBm	Measured Head SAR (1g) W/kg @ 23.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 23.0 dBm	Measured Head SAR (10g) W/kg @ 23.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real			Certificate Impedance Head (Ohm) Imaginary			Certificate Return Loss Head (dB)			PASS/FAIL
1/1	8/2024	1/17/2025	1.387	1.97	2.100	6.71%	1.28	1.350	5.47%	51.1	50.7	0.4	-2.3	-1.3	1.0	-32.0	-36.9	-15.20%	PASS

Object:	Date Issued:	Page 2 of 3
D835V2 - SN: 4d132	01/17/2025	1 age 2 of 5

Impedance & Return-Loss Measurement Plot for Head TSL



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





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Client

Element

Accreditation No.: SCS 0108

Certificate No: D1900V2-5d080_Aug22

CALIBRATION CERTIFICATE

SRS 08/23/24

Object

D1900V2 - SN:5d080

Calibration procedure(s)

QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

PH 8-21-22

Issued: August 9, 2022

Calibration date:

August 08, 2022

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 7349	31-Dec-21 (No. EX3-7349_Dec21)	De c -22
DAE4	SN: 601	02-May-22 (No. DAE4-601_May22)	May-23
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check; Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22
	Name	Function	Signature
Calibrated by:	Jeffrey Katzman	Laboratory Technician	11/4
			10 Kills
Approved by:	Niels Kuster	Quality Manager	
			V./>>>
			VINS

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

Certificate No: D1900V2-5d080_Aug22

Calibration Laboratory of

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





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

Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

TSL

tissue simulating liquid

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

not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	1111
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1900 MHz ± 1 MHz	, , , , , , , , , , , , , , , , , , , ,

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.7 ± 6 %	1.38 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	9.90 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	39.6 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	5.16 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	20.7 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	53.3	1.52 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	52.6 ± 6 %	1.50 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	10.1 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	40.7 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	5.30 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	21.3 W/kg ± 16.5 % (k=2)

Certificate No: D1900V2-5d080_Aug22

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	53.7 Ω + 8.2 jΩ
Return Loss	- 21.2 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	47.1 Ω + 9.0 jΩ
Return Loss	- 20.3 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.192 ns

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

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

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

Additional EUT Data

Manufactured by	SPEAG

DASY5 Validation Report for Head TSL

Date: 08.08.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d080

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

Medium parameters used: f = 1900 MHz; $\sigma = 1.38 \text{ S/m}$; $\varepsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

• Probe: EX3DV4 - SN7349; ConvF(8.43, 8.43, 8.43) @ 1900 MHz; Calibrated: 31.12.2021

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.05,2022
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

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

Reference Value = 108.2 V/m; Power Drift = 0.04 dB

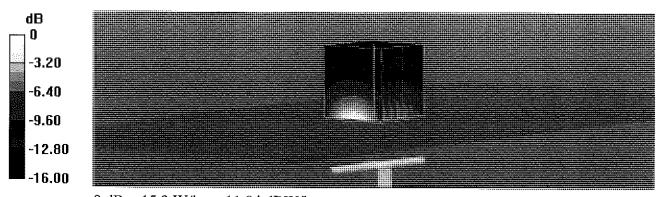
Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.90 W/kg; SAR(10 g) = 5.16 W/kg

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

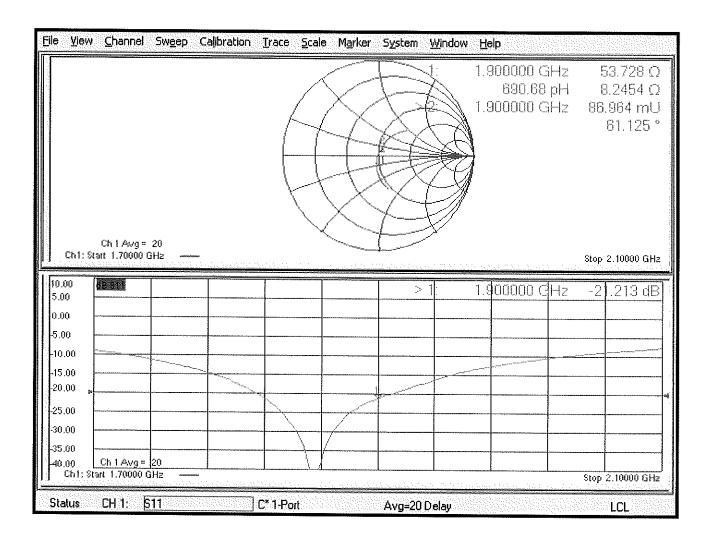
Ratio of SAR at M2 to SAR at M1 = 54.7%

Maximum value of SAR (measured) = 15.3 W/kg



0 dB = 15.3 W/kg = 11.84 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 08.08.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d080

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

Medium parameters used: f = 1900 MHz; σ = 1.50 S/m; ϵ_r = 52.6; ρ = 1000 kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(8.42, 8.42, 8.42) @ 1900 MHz; Calibrated: 31.12.2021

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.05.2022
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

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

Reference Value = 105.0 V/m; Power Drift = -0.02 dB

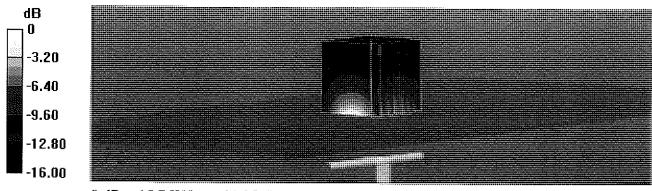
Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.30 W/kg

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

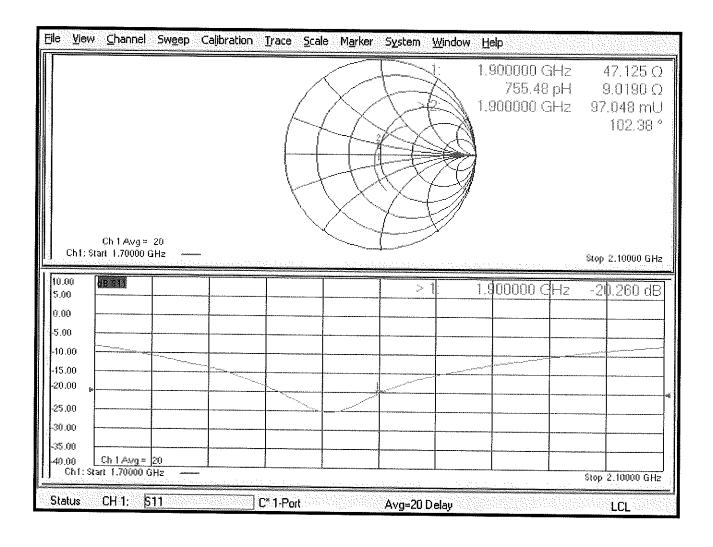
Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 15.7 W/kg



0 dB = 15.7 W/kg = 11.95 dBW/kg

Impedance Measurement Plot for Body TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D1900V2 – SN: 5d080

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

Extension Calibration date: 08/21/2023

Description: SAR Validation Dipole at 1900 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	N5182A	MXG Vector Signal Generator	11/30/2022	Annual	11/30/2023	MY47420603
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Anritsu	MA24106A	USB Power Sensor	1/9/2023	Annual	1/9/2024	1344545
Anritsu	MA24106A	USB Power Sensor	1/9/2023	Annual	1/9/2024	1349511
Control Company	4040	Therm./ Clock/ Humidity Monitor	3/27/2023	Biennial	3/27/2025	230208060
Control Company	4352	Long Stem Thermometer	9/10/2021	Biennial	9/10/2023	210774675
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Pasternack	PE5011-1	Torque Wrench	12/21/2021	Biennial	12/21/2023	82475
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	10/21/2022	Annual	10/21/2023	101307
SPEAG	DAK-3.5	Dielectric Assessment Kit	11/14/2022	Annual	11/14/2023	1277
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	11/11/2022	Annual	11/11/2023	MY53401181
SPEAG	EX3DV4	SAR Probe	1/11/2022	Annual	1/11/2023	7570
SPEAG	DAE4	Dasy Data Acquisition Electronics	1/17/2023	Annual	1/17/2024	1558

Measurement Uncertainty = ±23% (k=2)

	Name	Function	Signature
Calibrated By:	Brodie Halbfoster	Test Engineer	BRODIE HALBFOSTER
Approved By:	Greg Snyder	Executive VP of Operations	Lugged Sol

Object:	Date Issued:	Page 1 of 3
D1900V2 - SN: 5d080	8/21/2023	Page 1 of 3

DIPOLE CALIBRATION EXTENSION

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

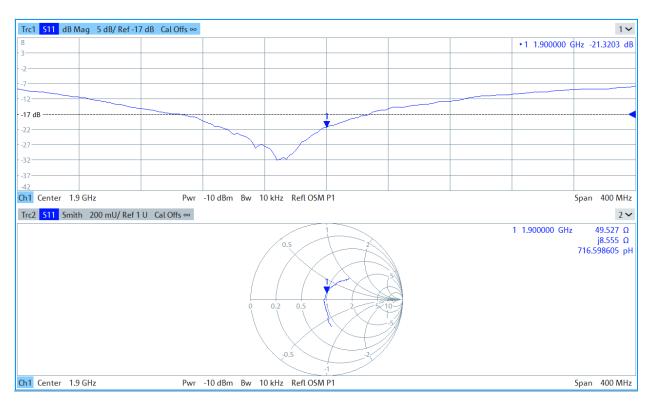
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

Calibration Date	Extension Date		Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	(10a) W/ka @	Desiration 40s		Measured Impedance Head (Ohm) Real		Certificate Impedance Head (Ohm) Imaginary	Impedance	Difference (Ohm) Imaginary		Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL	
8/8/2022	8/21/2023	1.192	3.96	4.17	5.30%	2.07	2.16	4.35%	53.7	49.5	4.2	8.2	8.6	0.4	-21.2	-21.3	-0.60%	PASS	ı

Object:	Date Issued:	Page 2 of 3
D1900V2 - SN: 5d080	8/21/2023	rage 2 01 3

Impedance & Return-Loss Measurement Plot for Head TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D1900V2 – SN: 5d080

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

Extension Calibration date: 08/14/2024

Description: SAR Validation Dipole at 1900 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	N5182A	MXG Vector Signal Generator	3/7/2024	Annual	3/7/2025	MY47420603
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Anritsu	MA24106A	USB Power Sensor	3/14/2024	Annual	3/14/2025	1349513
Control Company	4040	Digital Thermometer	3/27/2023	Biennial	3/27/2025	230208311
Control Company	4353	Long Stem Thermometer	9/15/2022	Biennial	9/15/2024	221767767
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Pasternack	NC-100	Torque Wrench	12/5/2022	Biennial	12/5/2024	1240
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	10/25/2023	Annual	10/25/2024	101307
SPEAG	DAK-3.5	Dielectric Assessment Kit	11/13/2023	Annual	11/13/2024	1277
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	2/12/2024	Annual	2/12/2025	MY53401181
SPEAG	EX3DV4	SAR Probe	9/22/2023	Annual	9/22/2024	7670
SPEAG	DAE4	Dasy Data Acquisition Electronics	9/12/2023	Annual	9/12/2024	1449

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

	Name	Function	Signature
Calibrated By:	Tho Tong	Test Engineer	Tho Tong
Approved By:	Greg Snyder	Executive VP of Operations, Regulatory	LuggedSyl

Object:	Date Issued:	Page 1 of 3
D1900V2 - SN: 5d080	08/14/2024	rage 1015

DIPOLE CALIBRATION EXTENSION

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

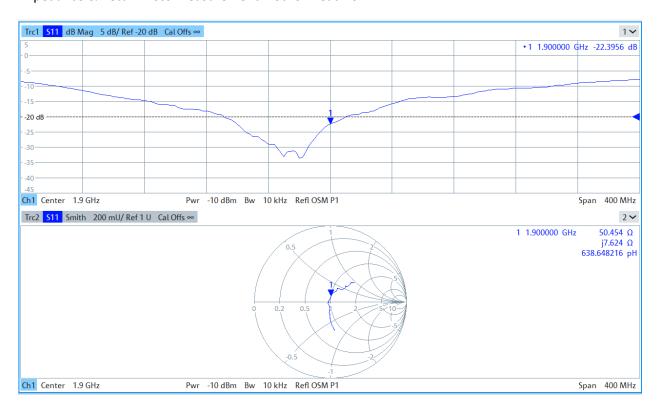
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary	Measured Impedance Head (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
8/8/2022	8/14/2024	1.192	3.96	4.09	3.28%	2.07	2.11	1.93%	53.7	50.5	3.2	8.2	7.6	0.6	-21.2	-22.4	-5.60%	PASS

Object:	Date Issued:	Page 2 of 3
D1900V2 - SN: 5d080	08/14/2024	rage 2 01 3

Impedance & Return-Loss Measurement Plot for Head TSL



Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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

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Accreditation No.: SCS 0108

Client

Element

Certificate No: D2450V2-797_Nov22

CALIBRATION CERTIFICATE

Object

D2450V2 - SN:797

Calibration procedure(s)

QA CAL-05.v11

Calibration Procedure for SAR Validation Sources between 0.7-3 GHz

Calibration date:

November 15, 2022

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 \pm 3)°C and humidity < 70%. SRS 02/28/25

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 7349	31-Dec-21 (No. EX3-7349_Dec21)	Dec-22
DAE4	SN: 601	31-Aug-22 (No. DAE4-601_Aug22)	Aug-23
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Supp Kaba	Station (1981) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984	
Approved by.	Sven Kühn	Technical Manager	
			>, U

Issued: November 16, 2022

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

Certificate No: D2450V2-797_Nov22

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Glossarv:

TSL

N/A

tissue simulating liquid

ConvF

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	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	38.4 ± 6 %	1.87 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	13.3 W/kg		
SAR for nominal Head TSL parameters	normalized to 1W	52.0 W/kg ± 17.0 % (k=2)		

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.19 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.4 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.7	1.95 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.7 ± 6 %	2.01 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C	-	M 44 NG 14

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	12.8 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	50.2 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	5.98 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	23.6 W/kg ± 16.5 % (k=2)

Certificate No: D2450V2-797_Nov22

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	51.1 Ω + 4.7 jΩ
Return Loss	- 26.4 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	48.0 Ω + 6.9 jΩ
Return Loss	- 22.7 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	4 464
Libertical Boldy (offe direction)	l 1.151 ns l

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

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

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

Additional EUT Data

Manufactured by	SPEAG
	, <u>,</u> _, _,

Certificate No: D2450V2-797_Nov22

DASY5 Validation Report for Head TSL

Date: 15.11.2022

Test Laboratory: SPEAG, Zurich, Switzerland

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

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

Medium parameters used: f = 2450 MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(7.96, 7.96, 7.96) @ 2450 MHz; Calibrated: 31.12.2021

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

• Electromics: DAE4 Sn601; Calibrated: 31.08.2022

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

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

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

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

Reference Value = 115.9 V/m; Power Drift = 0.03 dB

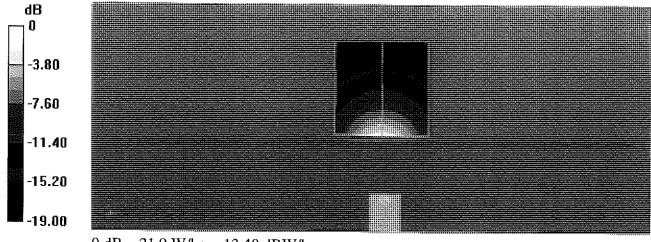
Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.19 W/kg

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

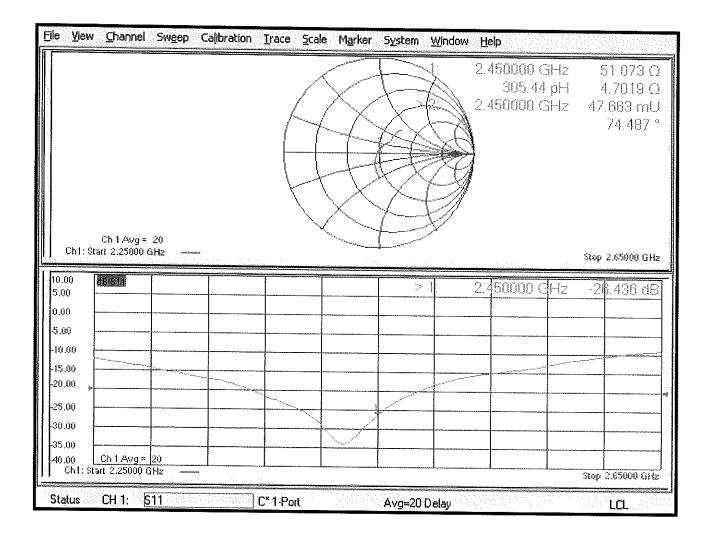
Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 21.9 W/kg



0 dB = 21.9 W/kg = 13.40 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 15.11.2022

Test Laboratory: SPEAG, Zurich, Switzerland

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

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

Medium parameters used: f = 2450 MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(8.12, 8.12, 8.12) @ 2450 MHz; Calibrated: 31.12.2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 31.08.2022

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

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

Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm 2/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 108.0 V/m; Power Drift = -0.01 dB

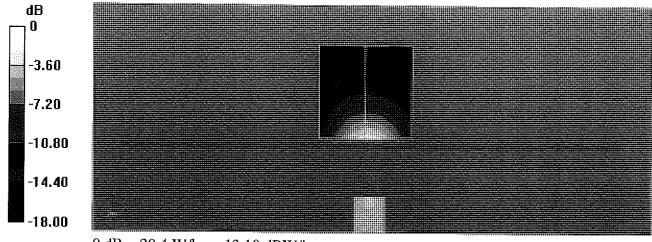
Peak SAR (extrapolated) = 24.0 W/kg

SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.98 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

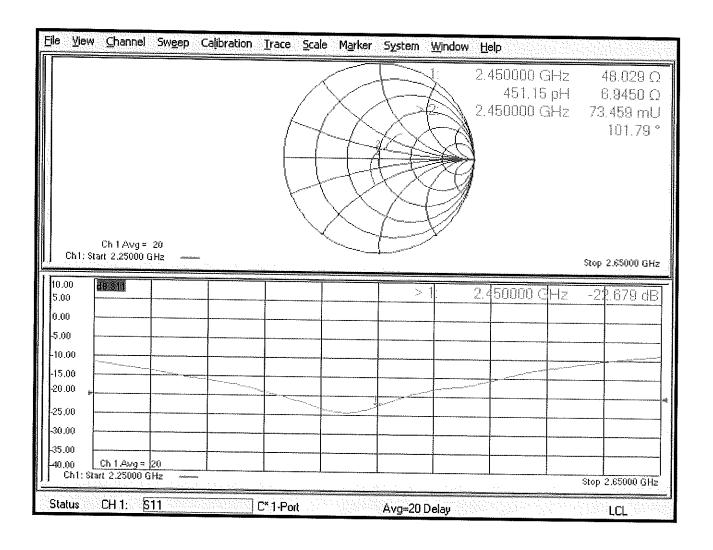
Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 20.4 W/kg



0 dB = 20.4 W/kg = 13.10 dBW/kg

Impedance Measurement Plot for Body TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D2450V2 – SN: 797

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

Extension Calibration date: 03/21/2024

Description: SAR Validation Dipole at 2450 MHz.

Calibration Equipment used:

Manufacturer	Model	Description		Cal Interval	Cal Due	Serial Number
Agilent	N5182A	MXG Vector Signal Generator	4/1/2023	Annual	4/1/2024	MY47420837
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Anritsu	MA24106A	Pulse Power Sensor	4/21/2023	Annual	4/21/2024	1349503
Control Company	4040	Digital Thermometer	3/27/2023	Biennial	3/27/2025	230208311
Control Company	4353	Long Stem Thermometer	9/15/2022	Biennial	9/15/2024	221767767
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Pasternack	NC-100	Torque Wrench	12/5/2022	Biennial	12/5/2024	1240
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	10/25/2023	Annual	10/25/2024	101307
SPEAG	DAK-3.5	Dielectric Assessment Kit	11/13/2023	Annual	11/13/2024	1277
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	2/12/2024	Annual	2/12/2025	MY53401181
SPEAG	EX3DV4	SAR Probe	6/14/2023	Annual	6/14/2024	7661
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/11/2023	Annual	5/11/2024	728

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

	Name	Function	Signature
Calibrated By:	Tho Tong	Test Engineer	Tho Tong
Approved By:	Greg Snyder	Executive VP of Operations, Regulatory	Lugg U.S.

Object:	Date Issued:	Page 1 of 3
D2450V2 – SN: 797	03/21/2024	rayerura

DIPOLE CALIBRATION EXTENSION

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

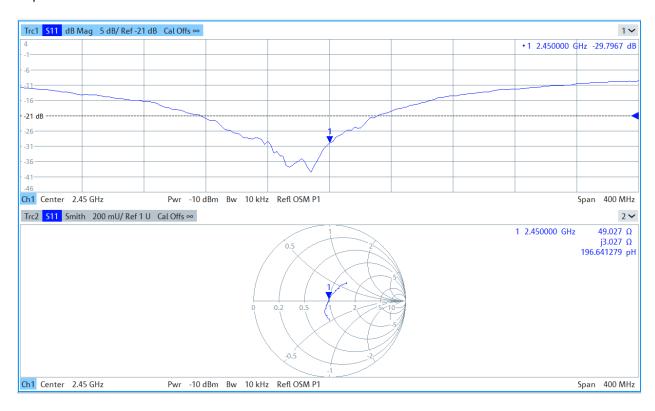
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

Calibra Dat	tion Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary	Head (Ohm)	Ditterence	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
11/15/2	022 3/21/2024	1.151	5.2	5.21	0.19%	2.44	2.36	-3.28%	51.1	49	2.1	4.7	3	1.7	-26.4	-29.8	-12.90%	PASS

Object:	Date Issued:	Page 2 of 3
D2450V2 - SN: 797	03/21/2024	rage 2 01 3

Impedance & Return-Loss Measurement Plot for Head TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D2450V2 – SN: 797

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

Extension Calibration date: 02/26/2025

Description: SAR Validation Dipole at 2450 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	N5182A	MXG Vector Signal Generator	3/7/2024	Annual	3/7/2025	MY47420603
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Anritsu	MA24106A	USB Power Sensor	3/14/2024	Annual	3/14/2025	1349513
Control Company	4040	Digital Thermometer	3/27/2023	Biennial	3/27/2025	230208311
Control Company	4052	Long Stem Thermometer	2/27/2024	Annual	2/27/2025	240171059
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139
MiniCircuits	SLP-2400+	Low Pass Filter	CBT	N/A	CBT	R8979500903
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Huber + Suhner	74Z-0-0-21	Torque Wrench	10/17/2023	Biennial	10/17/2025	16476
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	3/8/2024	Annual	3/8/2025	1204153
SPEAG	DAK-3.5	Dielectric Assessment Kit	10/15/2024	Annual	10/15/2025	1091
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	2/1/2024	Triennial	2/1/2027	MY53401181
SPEAG	EX3DV4	SAR Probe	3/8/2024	Annual	3/8/2025	7488
SPEAG	DAE4	Dasy Data Acquisition Electronics	3/27/2024	Annual	3/27/2025	1415

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

	Name	Function	Signature
Calibrated By:	Tho Tong	Test Engineer	Tho Tong
Approved By:	Greg Snyder	Executive VP of Operations, Regulatory	Lugge M. Syla

Object:	Date Issued:	Page 1 of 3
D2450V2 – SN: 797	02/26/2025	rage rors

DIPOLE CALIBRATION EXTENSION

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

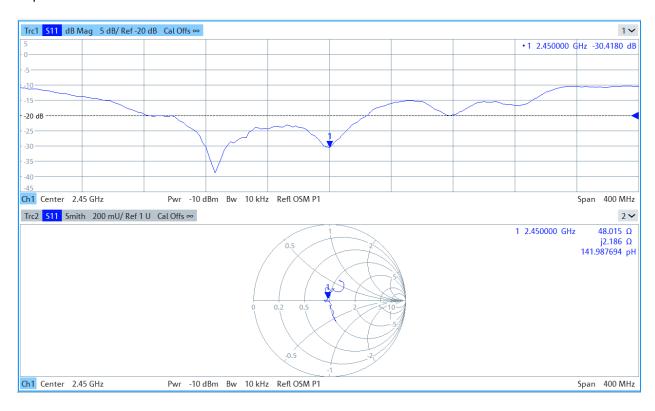
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real			Certificate Impedance Head (Ohm) Imaginary			Certificate Return Loss Head (dB)		Deviation (%)	PASS/FAIL
11/15/2022	2/26/2025	1.151	5.20	5.16	-0.77%	2.44	2.40	-1.64%	51.1	48.0	3.1	4.7	2.2	2.5	-26.4	-30.4	-15.20%	PASS

Object:	Date Issued:	Page 2 of 3
D2450V2 - SN: 797	02/26/2025	1 age 2 of 5

Impedance & Return-Loss Measurement Plot for Head TSL



Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client Element

Columbia, USA

Certificate No. D3500V2-1059_Jan24

CALIBRATION CERTIFICATE

Object

D3500V2 - SN:1059

SPS 02/07/24

Calibration procedure(s)

QA CAL-22.v7

Calibration Procedure for SAR Validation Sources between 3-10 GHz

SRS 02/05/25

Calibration date:

January 12, 2024

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 NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
Power sensor NRP-Z91	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Reference 20 dB Attenuator	SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
Type-N mismatch combination	SN: 310982 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
Reference Probe EX3DV4	SN: 3503	07-Mar-23 (No. EX3-3503_Mar23)	Mar-24
DAE4	SN: 601	03-Oct-23 (No. DAE4-601_Oct23)	Oct-24
Secondary Standards	 1D #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Paulo Pina	Laboratory Technician	Jan & Kan
Approved by:	Sven Kühn	Technical Manager	Sis

Issued: January 12, 2024

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

Certificate No: D3500V2-1059_Jan24

Page 1 of 6

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

TSL

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: D3500V2-1059_Jan24 Page 2 of 6

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3500 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity	
Nominal Head TSL parameters	22.0 °C	37.9	2.91 mho/m	
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.8 ± 6 %	2.94 mho/m ± 6 %	
Head TSL temperature change during test	< 0.5 °C			

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.48 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	64.9 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.46 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.7 W/kg ± 19.5 % (k=2)

Certificate No: D3500V2-1059_Jan24

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	53.0 Ω - 5.7 jΩ
Return Loss	- 24.1 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.136 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: D3500V2-1059_Jan24 Page 4 of 6

DASY5 Validation Report for Head TSL

Date: 12.01.2024

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN:1059

Communication System: UID 0 - CW; Frequency: 3500 MHz

Medium parameters used: f = 3500 MHz; $\sigma = 2.94 \text{ S/m}$; $\varepsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN3503; ConvF(7.91, 7.91, 7.91) @ 3500 MHz; Calibrated: 07.03.2023

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

Electronics: DAE4 Sn601; Calibrated: 03.10.2023

Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001

• DASY52 52.10,4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3500MHz/Zoom Scan,

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 66.90 V/m; Power Drift = 0.02 dB

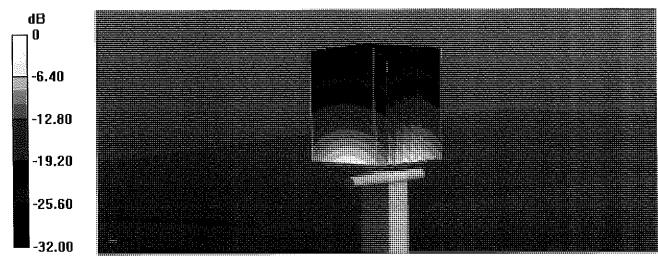
Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 6.48 W/kg; SAR(10 g) = 2.46 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

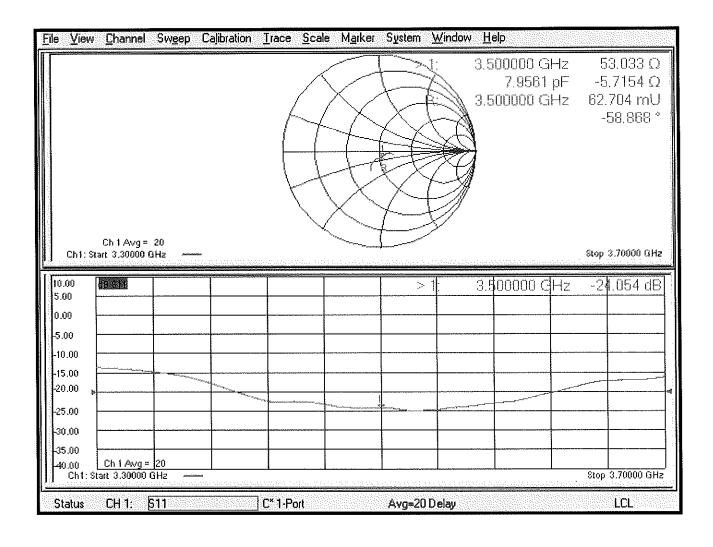
Ratio of SAR at M2 to SAR at M1 = 75.6%

Maximum value of SAR (measured) = 12.1 W/kg



0 dB = 12.1 W/kg = 10.82 dBW/kg

Impedance Measurement Plot for Head TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D3500V2 – SN: 1059

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

Extension Calibration date: 01/09/2025

Description: SAR Validation Dipole at 3500 MHz.

Calibration Equipment used:

Manufacturer Model		Description	Cal Date	Cal Interval	Cal Due	Serial Number	
Agilent	N5182A	MXG Vector Signal Generator	3/7/2024	Annual	3/7/2025	MY47420603	
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971	
Anritsu	MA24106A	USB Power Sensor	3/14/2024	Annual	3/14/2025	1349513	
Control Company	4040	Digital Thermometer	3/27/2023	Biennial	3/27/2025	230208311	
Control Company	4052	Long Stem Thermometer	2/27/2024	Annual	2/27/2025	240171059	
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139	
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A	
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406	
Huber + Suhner	74Z-0-0-21	Torque Wrench	10/17/2023	Biennial	10/17/2025	16476	
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A	
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	3/8/2024	Annual	3/8/2025	1204153	
SPEAG	DAK-3.5	Dielectric Assessment Kit	10/15/2024	Annual	10/15/2025	1091	
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	2/12/2024	Annual	2/12/2025	MY53401181	
SPEAG	EX3DV4	SAR Probe	6/17/2024	Annual	6/17/2025	7409	
SPEAG	DAE4	Dasy Data Acquisition Electronics	6/11/2024	Annual	6/11/2025	1334	

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

	Name	Function	Signature
Calibrated By:	Tho Tong	Test Engineer	Tho Tong
Approved By:	Greg Snyder	Executive VP of Operations, Regulatory	Lugged Syl

Object:	Date Issued:	Page 1 of 3
D3500V2 - SN: 1059	01/09/2025	rage rors

DIPOLE CALIBRATION EXTENSION

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

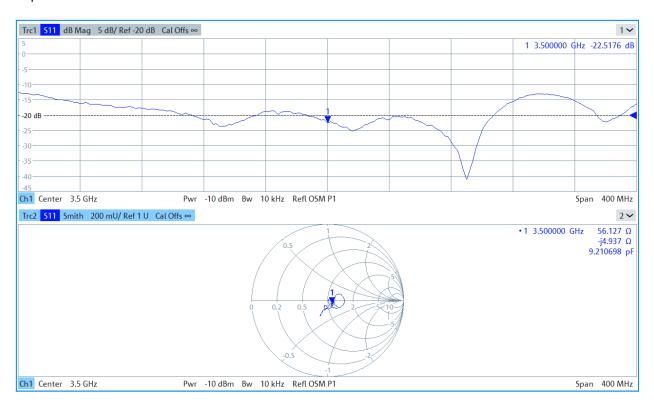
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real			Certificate Impedance Head (Ohm) Imaginary	Impedance		Certificate Return Loss Head (dB)			PASS/FAIL
1/12/2024	1/9/2025	1.136	6.49	6.76	4.16%	2.47	2.61	5.67%	53.0	56.1	3.1	-5.7	-4.9	0.8	-24.1	-22.5	6.60%	PASS

Object:	Date Issued:	Page 2 of 3
D3500V2 - SN: 1059	01/09/2025	1 age 2 of 5

Impedance & Return-Loss 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**

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client Element

Columbia, USA

Certificate No. D3700V2-1018_Jan24

CALIBRATION CERTIFICATE

Object

D3700V2 - SN:1018

SRS 02/07/24

Calibration procedure(s)

QA CAL-22.v7

Calibration Procedure for SAR Validation Sources between 3-10 GHz

SRS 02/05/25

Calibration date:

January 09, 2024

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	1D #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
Power sensor NRP-Z91	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Reference 20 dB Attenuator	SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
Type-N mismatch combination	SN: 310982 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
Reference Probe EX3DV4	SN: 3503	07-Mar-23 (No. EX3-3503_Mar23)	Mar-24
DAE4	SN: 601	03-Oct-23 (No. DAE4-601_Oct23)	Oct-24
	,		
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Paulo Pina	Laboratory Technician	Jen Jan
Approved by:	Sven Kühn	Technical Manager	54
1			

Issued: January 9, 2024

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Certificate No: D3700V2-1018_Jan24

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Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst Service suisse d'étalonnage

Servizio svizzero di taratura
Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

TSL

tissue simulating liquid

ConvF

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

N/A not app

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: D3700V2-1018_Jan24

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3700 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity		
Nominal Head TSL parameters	22.0 °C	37.7	3.12 mho/m		
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.6 ± 6 %	3.10 mho/m ± 6 %		
Head TSL temperature change during test	< 0.5 °C				

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.47 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	65.1 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.38 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.9 W/kg ± 19.5 % (k=2)

Certificate No: D3700V2-1018_Jan24

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.1 Ω - 7.1 jΩ
Return Loss	- 22.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.145 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: D3700V2-1018_Jan24 Page 4 of 6

DASY5 Validation Report for Head TSL

Date: 09.01.2024

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2 - SN:1018

Communication System: UID 0 - CW; Frequency: 3700 MHz

Medium parameters used: f = 3700 MHz; $\sigma = 3.1 \text{ S/m}$; $\varepsilon_r = 38.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

• Probe: EX3DV4 - SN3503; ConvF(7.73, 7.73, 7.73) @ 3700 MHz; Calibrated: 07.03.2023

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

• Electronics: DAE4 Sn601; Calibrated: 03.10.2023

• Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001

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

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3700MHz/Zoom Scan,

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.04 V/m; Power Drift = 0.02 dB

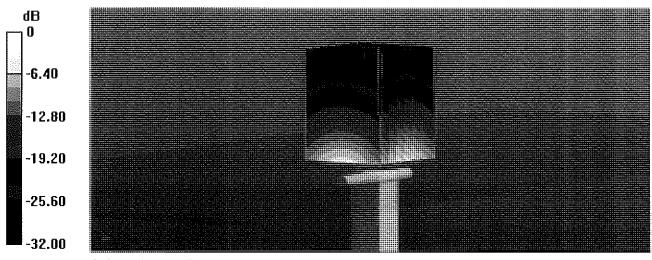
Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 6.47 W/kg; SAR(10 g) = 2.38 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

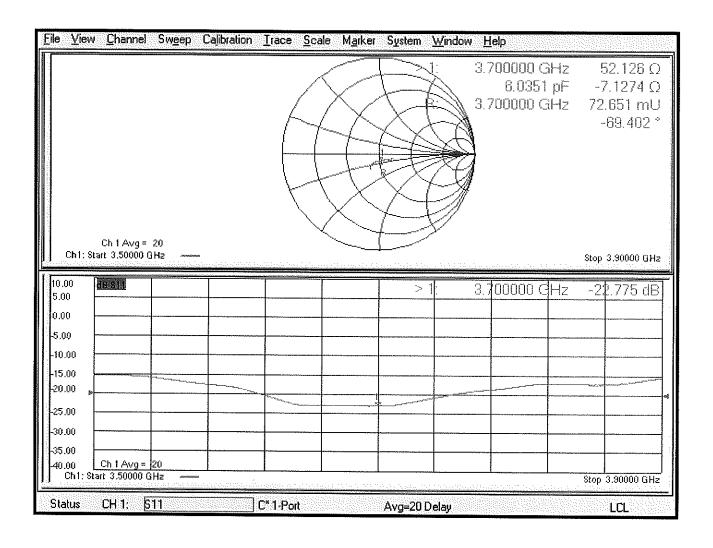
Ratio of SAR at M2 to SAR at M1 = 74.4%

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg = 10.90 dBW/kg

Impedance Measurement Plot for Head TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D3700V2 – SN: 1018

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

Extension Calibration date: 01/08/2025

Description: SAR Validation Dipole at 3700 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	N5182A	MXG Vector Signal Generator	3/7/2024	Annual	3/7/2025	MY47420603
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Anritsu	MA24106A	USB Power Sensor	3/14/2024	Annual	3/14/2025	1349513
Control Company	4040	Digital Thermometer	3/27/2023	Biennial	3/27/2025	230208311
Control Company	4052	Long Stem Thermometer	2/27/2024	Annual	2/27/2025	240171059
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Huber + Suhner	74Z-0-0-21	Torque Wrench	10/17/2023	Biennial	10/17/2025	16476
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	3/8/2024	Annual	3/8/2025	1204153
SPEAG	DAK-3.5	Dielectric Assessment Kit	10/15/2024	Annual	10/15/2025	1091
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	2/12/2024	Annual	2/12/2025	MY53401181
SPEAG	EX3DV4	SAR Probe	6/17/2024	Annual	6/17/2025	7409
SPEAG	DAE4	Dasy Data Acquisition Electronics	6/11/2024	Annual	6/11/2025	1334

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

	Name	Function	Signature
Calibrated By:	Tho Tong	Test Engineer	Tho Tong
Approved By:	Greg Snyder	Executive VP of Operations, Regulatory	Lugge U.S.

Object:	Date Issued:	Page 1 of 3
D3700V2 – SN: 1018	01/08/2025	rage 1015

DIPOLE CALIBRATION EXTENSION

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

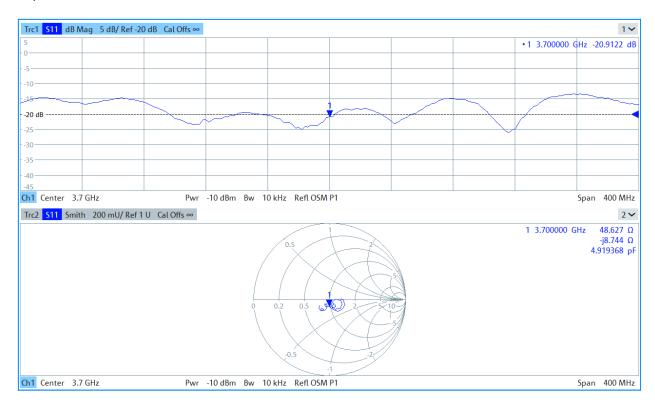
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary	Measured Impedance Head (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
1/9/2024	1/8/2025	1.145	6.51	6.71	3.07%	2.39	2.54	6.28%	52.1	48.6	3.5	-7.1	-8.7	1.6	-22.8	-20.9	8.30%	PASS

Object:	Date Issued:	Page 2 of 3
D3700V2 - SN: 1018	01/08/2025	1 age 2 of 5

Impedance & Return-Loss Measurement Plot for Head TSL



Calibration Laboratory of

Schmid & Partner

Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

lac MRA



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Service suisse d'étalonnage
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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Client Element

Columbia, USA

Certificate No. D5GHzV2-1057_Feb24

CALIBRATION CERTIFICATE

Object

D5GHzV2 - SN:1057

585 03111124

Issued February 26, 2024

Calibration procedure(s)

QA CAL-22.v7

Calibration Procedure for SAR Validation Sources between 3-10 GHz

SRS 03/04/25

Calibration date:

February 21, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

Certificate No: D5GHzV2-1057_Feb24

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
Power sensor NRP-Z91	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Reference 20 dB Attenuator	SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
Type-N mismatch combination	SN: 310982 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
Reference Probe EX3DV4	SN: 3503	07-Mar-23 (No. EX3-3503_Mar23)	Mar-24
DAE4	SN: 601	30-Jan-24 (No. DAE4-601_Jan24)	Jan-25
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Paulo Pina	Laboratory Technician	
Approved by:	Niels Kuster	Quality Manager	NR

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

Calibration Laboratory of

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL

tissue simulating liquid

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

ASY system configuration, as lar as no		V52.10.4
DASY Version	DASY52	V32.10.4
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)
	5250 MHz ± 1 MHz	
	5600 MHz ± 1 MHz	
Frequency	5750 MHz ± 1 MHz	
	5850 MHz ± 1 MHz	

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

ne following parameters and calculations were appr	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	36.2 ± 6 %	4.61 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

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	7.93 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	79.4 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.7 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

le following parameters and calculations were appri	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	35.6 ± 6 %	5.00 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

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	8.28 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	82.8 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.36 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.6 W/kg ± 19.5 % (k=2)

Certificate No: D5GHzV2-1057_Feb24

Head TSL parameters at 5750 MHz

The following parameters and calculations were applied.

Tie following parameters and calculations were appli	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	35.3 ± 6 %	5.16 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.99 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	79.8 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.7 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5850 MHz

The following parameters and calculations were applied.

tie following parameters and calculations were appli	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.2	5.32 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35,2 ± 6 %	5.25 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5850 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.15 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.5 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	23.0 W/kg ± 19.5 % (k=2)

Certificate No: D5GHzV2-1057_Feb24

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	48.7 Ω - 3.4 jΩ
Return Loss	- 28.6 dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	55.9 Ω - 0.3 jΩ
Return Loss	- 25.0 dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	53.5 Ω + 4.0 jΩ
Return Loss	- 25.8 dB

Antenna Parameters with Head TSL at 5850 MHz

Impedance, transformed to feed point	52.2 Ω - 2.2 jΩ
Return Loss	- 30.4 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.202 ns
	1

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

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

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

Additional EUT Data

Manufactured by	SPEAG
111011010101010	

DASY5 Validation Report for Head TSL

Date: 21.02.2024

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1057

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

MHz, Frequency: 5850 MHz

Medium parameters used: f=5250 MHz; $\sigma=4.61$ S/m; $\epsilon_r=36.2$; $\rho=1000$ kg/m³, Medium parameters used: f=5600 MHz; $\sigma=5.00$ S/m; $\epsilon_r=35.6$; $\rho=1000$ kg/m³, Medium parameters used: f=5750 MHz; $\sigma=5.16$ S/m; $\epsilon_r=35.3$; $\rho=1000$ kg/m³,

Medium parameters used: f = 5850 MHz; $\sigma = 5.25 \text{ S/m}$; $\varepsilon_r = 35.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.5, 5.5, 5.5) @ 5250 MHz, ConvF(5.1, 5.1, 5.1) @ 5600 MHz, ConvF(5.08, 5.08, 5.08) @ 5750 MHz, ConvF(4.99, 4.99, 4.99) @ 5850 MHz; Calibrated: 07.03,2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.01.2024
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; 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 = 71.92 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.27 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 70.5%

Maximum value of SAR (measured) = 18.1 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 = 71.29 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 8.28 W/kg; SAR(10 g) = 2.36 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 67.7%

Maximum value of SAR (measured) = 19.4 W/kg

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

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

Reference Value = 69.35 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 31.1 W/kg

SAR(1 g) = 7.99 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 66%

Maximum value of SAR (measured) = 19.1 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5850 MHz/Zoom Scan,

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

Reference Value = 68.94 V/m; Power Drift = 0.08 dB

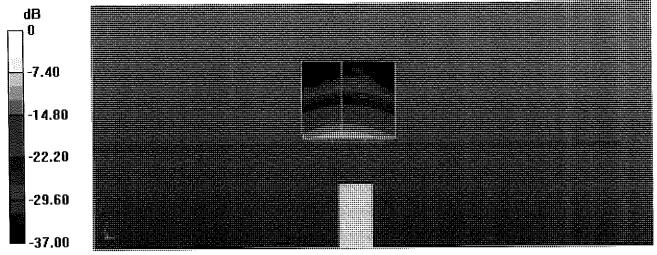
Peak SAR (extrapolated) = 32.6 W/kg

SAR(1 g) = 8.15 W/kg; SAR(10 g) = 2.31 W/kg

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

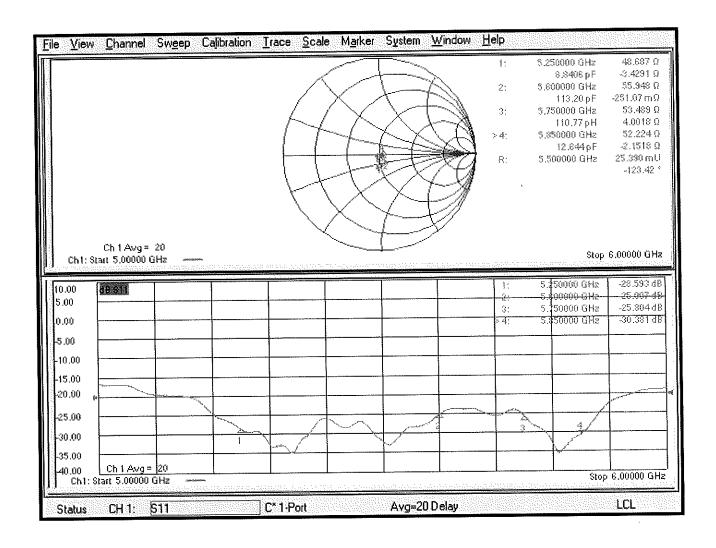
Ratio of SAR at M2 to SAR at M1 = 65.2%

Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 19.9 W/kg = 12.99 dBW/kg

Impedance Measurement Plot for Head TSL



element

ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com



Certification of Calibration

Object D5GHzV2 – SN: 1057

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

Extension Calibration date: 02/20/2025

Description: SAR Validation Dipole at 5250,5600,5750,5850 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	N5182A	MXG Vector Signal Generator	3/7/2024	Annual	3/7/2025	MY47420603
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Anritsu	MA24106A	USB Power Sensor	3/14/2024	Annual	3/14/2025	1349513
Control Company	4040	Digital Thermometer	3/27/2023	Biennial	3/27/2025	230208311
Control Company	4052	Long Stem Thermometer	2/27/2024	Annual	2/27/2025	240171059
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139
MiniCircuits	VLF-6000+	Low Pass Filter	CBT	N/A	CBT	N/A
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Huber + Suhner	74Z-0-0-21	Torque Wrench	10/17/2023	Biennial	10/17/2025	16476
Mini-Circuits	ZHDC-16-63-S+	Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZNLE6	Vector Network Analyzer	3/8/2024	Annual	3/8/2025	1204153
SPEAG	DAK-3.5	Dielectric Assessment Kit	10/15/2024	Annual	10/15/2025	1091
Keysight Technologies	85033E	Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm)	2/1/2024	Triennial	2/1/2027	MY53401181
SPEAG	EX3DV4	SAR Probe	6/28/2024	Annual	6/28/2025	7803
SPEAG	DAE4	Dasy Data Acquisition Electronics	7/8/2024	Annual	7/8/2025	1583

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

	Name	Function	Signature
Calibrated By:	Tho Tong	Test Engineer	Tho Tong
Approved By:	Greg Snyder	Executive VP of Operations, Regulatory	Lugged Sola

Object:	Date Issued:	Page 1 of 3
D5GHzV2 – SN: 1057	02/20/2025	rage 1015

DIPOLE CALIBRATION EXTENSION

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

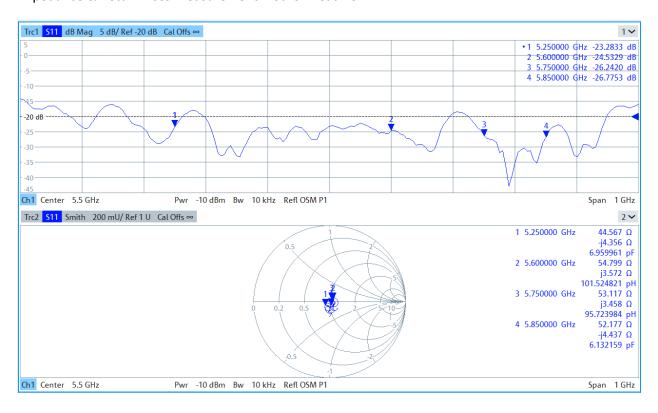
- 1. The measured SAR does not deviate more than 10% from the target on the calibration certificate.
- 2. The return-loss does not deviate more than 20% from the previous measurement and meets the required 20dB minimum return-loss requirement.
- 3. The measurement of real or imaginary parts of impedance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

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

equency (MHz)	Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 17.0 dBm	Measured Head SAR (1g) W/kg @ 17.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 17.0 dBm	Measured Head SAR (10g) W/kg @ 17.0 dBm	Deviation 10g (%)		Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary		Difference (Ohm) Imaginary	Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
5250	2/21/2024	2/20/2025	1.202	3.97	3.67	-7.56%	1.14	1.05	-7.49%	48.7	44.6	4.1	-3.4	-4.4	1.0	-28.6	-23.3	18.60%	PASS
5600	2/21/2024	2/20/2025	1.202	4.14	3.87	-6.52%	1.18	1.11	-5.93%	55.9	54.8	1.1	-0.3	3.6	3.9	-25.0	-24.5	1.90%	PASS
5750	2/21/2024	2/20/2025	1.202	3.99	3.68	-7.77%	1.14	1.05	-7.49%	53.5	53.1	0.4	4	3.5	0.5	-25.8	-26.2	-1.70%	PASS
5850	2/21/2024	2/20/2025	1.202	4.08	3.74	-8.22%	1.15	1.06	-7.83%	52.2	52.2	0	-2.2	-4.4	2.2	-30.4	-26.8	11.90%	PASS

Object:	Date Issued:	Page 2 of 3
D5GHzV2 – SN: 1057	02/20/2025	raye 2 01 3

Impedance & Return-Loss Measurement Plot for Head TSL



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst

Service suisse d'étalonnage

Servizio svizzero di taratura
S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Cllent

Element Columbia, USA Certificate No.

EX-7410_Dec24

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7410

Calibration procedure(s)

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

QA CAL-25.v8

Calibration procedure for dosimetric E-field probes

Calibration date

December 05, 2024

SRS 12/26/24

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Short [S6019i] + Attenuator [S6020i]	SN: L1119	26-Mar-24 (No. 217-04048)	Mar-25
OCP DAK-12	SN: 1016	24-Sep-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sep-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4	SN: 1301	07-Nov-24 (No. DAE4-1301_Nov24)	Nov-25

Secondary Standards	ID	Check Date (in house)	Sched. Check
ACAP 2020 Calibration Box	SN: L1404	30-Sep-24 (No. Report_ACAP2020E-Cave_20240930s)	Sep-25

Name

Function

Signature

Calibrated by

Jeffrey Katzman

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: December 05, 2024

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

Certificate No: EX-7410_Dec24

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Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Accreditation No.: SCS 0108

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

Glossary

TSL

tissue simulating liquid

NORMx,y,z

sensitivity in free space sensitivity in TSL / NORMx,y,z

ConvF DCP

diode compression point

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

Polarization φ

 φ rotation around probe axis

Polarization 0

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

normal to probe axis

Connector Angle

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Certificate No: EX-7410_Dec24

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December 05, 2024 EX3DV4 - SN:7410

Parameters of Probe: EX3DV4 - SN:7410

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (<i>k</i> = 2)
Norm (µV/(V/m)²) A	0.43	0.48	0.44	±10.1%
DCP (mV) B	100.4	100.5	99.1	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	$dB\sqrt{\mu V}$		dB	mV	dev.	Unc ^E
									k = 2
0	CW	Х	0.00	0.00	1.00	0.00	146.1	±1.5%	±4.7%
		Y	0.00	0.00	1.00		147.5		
		Z	0.00	0.00	1.00		149.3		
10352	Pulse Waveform (200Hz, 10%)	X	13.26	84.89	18.38	10.00	60.0	±3.2%	±9.6%
		Y	4.83	72.14	13.12		60.0		
		Z	20.00	92.11	21.40		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	90.78	18.98	6.99	80.0	±1.9%	±9.6%
		Y	20.00	85.84	16.36		80.0		
		Z	20.00	94.23	21.15		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	94.51	19.28	3.98	95.0	±0.9%	±9.6%
		Y	20.00	88.28	16.44		95.0		
		Z	20.00	98.81	21.87		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	100.71	20.93	2.22	120.0	±0.9%	±9.6%
		Y	20.00	94.32	18.29		120.0		
		Z	20.00	105.03	23.43		120.0		
10387	QPSK Waveform, 1 MHz	X	1.63	65.29	14.57	1.00	150.0	±1.6%	±9.6%
		Υ	1.81	67.31	15.73		150.0		
		Z	1.73	65.00	14.69		150.0		
10388	QPSK Waveform, 10 MHz	X	2.14	67.05	15.27	0.00	150.0	±1.0%	±9.6%
		Y	2.42	69.23	16.44		150.0		
		Z	2.26	67.32	15.33		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.63	68.60	17.82	3.01	150.0	±1.0%	±9.6%
		Y	2.33	66.61	16.99		150.0		
		Z	2.91	69.52	18.29		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.48	66.78	15.59	0.00	150.0	±0.8%	±9.6%
		Y	3.53	67.19	15.90		150.0		
		Z	3.58	66.93	15.65		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.87	65.54	15.46	0.00	150.0	±1.5%	±9.6%
		Y	4.87	65.66	15.59		150.0		
		Z	4.82	64.89	15.14		150.0		

Note: For details on UID parameters see Appendix

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

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

Linearization parameter uncertainty for maximum specified field strength.

EX3DV4 - SN:7410 December 05, 2024

Parameters of Probe: EX3DV4 - SN:7410

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms V ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
X	45.3	337.75	35.37	7.31	0.32	5.01	1.17	0.20	1.01
У	45.2	336.00	35.28	14.52	0.00	5.00	0.03	0.35	1.00
Z	57.2	429.49	35.87	10.04	0.34	5.04	0.99	0.31	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	1.2°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

EX3DV4 - SN:7410 December 05, 2024

Parameters of Probe: EX3DV4 - SN:7410

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	9.36	9.24	9.78	0.36	1.27	±11.0%
835	41.5	0.90	9.02	8.90	9.42	0.36	1.27	±11.0%
1750	40.1	1.37	7.81	7.70	8.15	0.35	1.27	±11.0%
1900	40.0	1.40	7.58	7.48	7.91	0.35	1.27	±11.0%
2300	39.5	1.67	7.23	7.13	7.55	0.35	1.27	±11.0%
2450	39.2	1.80	7.07	6.98	7.38	0.34	1.27	±11.0%
2600	39.0	1.96	6.92	6.83	7.23	0.34	1.27	±11.0%

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

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$)

Certificate No: EX-7410_Dec24 Page 5 of 21

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

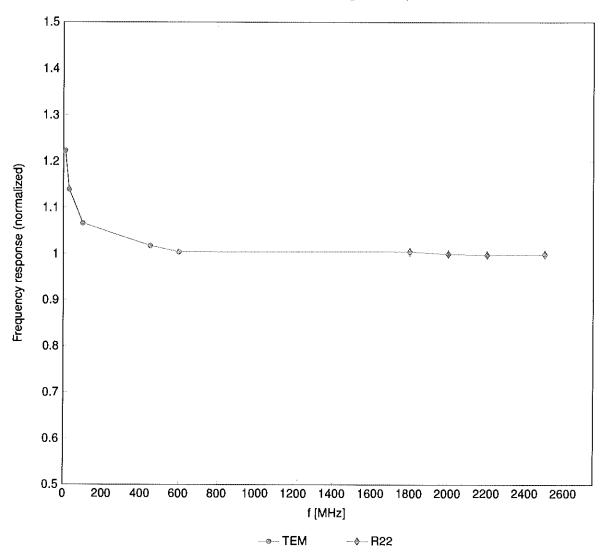
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less

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

H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

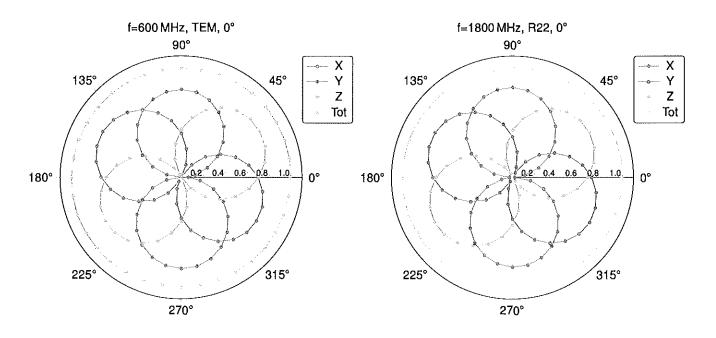
Frequency Response of E-Field

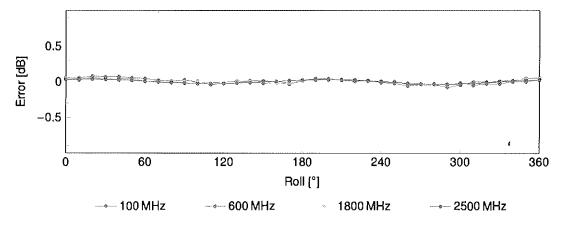
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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



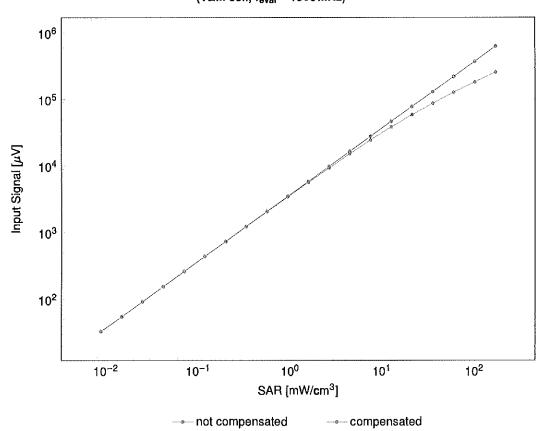


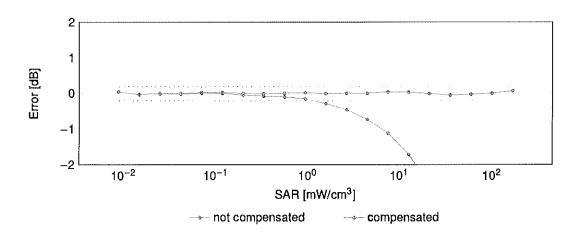
Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

EX3DV4 - SN:7410 December 05, 2024

Dynamic Range f(SAR_{head})

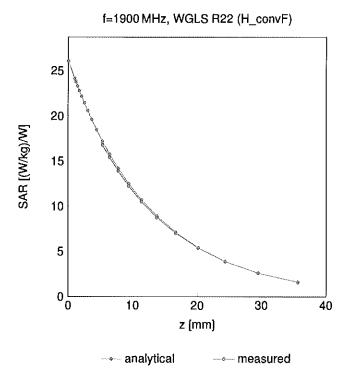
(TEM cell, $f_{eval} = 1900\,\text{MHz}$)





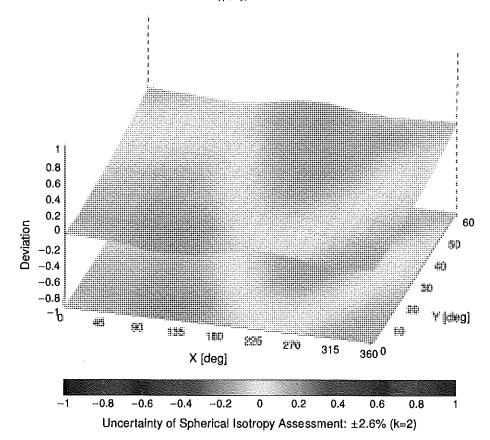
Uncertainty of Linearity Assessment: ±0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ) , f = 900 MHz



EX3DV4 - SN:7410 December 05, 2024

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0		CW	cw	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g 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	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9,6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1,16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3) IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.77	±9.6
10038	CAA	CDMA2000 (1xRTT, RC1)	Bluetooth CDMA2000	4.10 4.57	±9.6 ±9.6
10039	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10042	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10044	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Pull 3iot, 24)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAE	IEEE 802.11a/h WiFl 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9,00	±9,6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mops)	WLAN	10.24	±9.6
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFl 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mops)	WLAN	9.94	±9.6
10074	ÇAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TOD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD LTE-FDD	5.75 6.44	±9.6
10111	UAN	LIET DE (OUT EMIN, 100/6 NO, OMITE, TOWNI)	LIC'EDU	0,44	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9,6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FOD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TOD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	6.52	±9.6
10177		LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10178	CAH		LTE-FOD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6.50 5.72	±9.6 ±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5,73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10 195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10 196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10000	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10223	T. 1				

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19225 CAC MITS-FOD (SEPMA), T.B., 1.4Miz, 16-CAM)	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10226 CAC LTE-TDD (SO-FOMA, 1 RB. I. MAHE, 04-OAM)	<u> </u>					±9.6
19229 CAC LTE-TDD (SC-FMA, 1 RB. 1 AMH-, OPSK) LTE-TDD 9.22	10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10229 CAR LTE-TDD (SC-PDMA, 1 RB, 3 MHz, 16-QAM) LTE-TDD 9.48	10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10230 CARE LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-CAM)	10228	CAC		LTE-TOD	9.22	±9.6
1923 CAR LTE-TDD (SC-PDMA, 1 RB, MM4, 1 PG-MM)	10229	CAE				±9.6
10232 CAH LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-CAM)		CAE				±9.6
19239 CAM LTE-TDD (SC-PDMA, 1 RB, SMHz, 4-CAM)		 				±9.6
19235 CAM LTE-TDD (SC-PDMA, 1 RB, 5MHz, 0PSK) LTE-TDD 9.48 ± 19235 CAM LTE-TDD (SC-PDMA, 1 RB, 10MHz, 64-OAM) LTE-TDD 10.25 ± 19237 CAM LTE-TDD (SC-PDMA, 1 RB, 10MHz, 64-OAM) LTE-TDD 10.25 ± 19237 CAM LTE-TDD (SC-PDMA, 1 RB, 10MHz, 64-OAM) LTE-TDD 9.48 ± 19237 CAM LTE-TDD (SC-PDMA, 1 RB, 10MHz, 64-OAM) LTE-TDD 9.49 ± 19237 CAM LTE-TDD (SC-PDMA, 1 RB, 15MHz, 16-OAM) LTE-TDD 9.49 ± 19237 CAM LTE-TDD (SC-PDMA, 1 RB, 15MHz, 16-OAM) LTE-TDD 9.49 ± 19238 CAM LTE-TDD (SC-PDMA, 1 RB, 15MHz, 16-OAM) LTE-TDD 9.41 ± 19238 CAM LTE-TDD (SC-PDMA, 1 RB, 15MHz, 1 G-OAM) LTE-TDD 9.42 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 14MHz, 16-OAM) LTE-TDD 9.46 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 14MHz, 16-OAM) LTE-TDD 9.46 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 14MHz, 16-OAM) LTE-TDD 9.46 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 14MHz, 16-OAM) LTE-TDD 9.46 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 14MHz, 16-OAM) LTE-TDD 9.46 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 14MHz, 16-OAM) LTE-TDD 10.66 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 14MHz, 16-OAM) LTE-TDD 10.66 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 15MHz, 16-OAM) LTE-TDD 10.66 ± 19234 CAM LTE-TDD (SC-PDMA, 50-RB, 5MHz, 16-OAM) LTE-TDD 10.46 CAM LTE-TDD (SC-PDMA, 50-RB, 5MHz, 16-OAM) LTE-TDD 10.47 LTE-TDD 10.48 LTE-TDD 10.49 LTE-TDD 10.49 LTE-TDD 10.49 LTE-TDD 10.49 LTE-TDD 10.49 LTE						±9.6
19236 CAH LTE-TDD (SC-PDMA, 1 RB, 10MHz, 16-OAM) LTE-TDD 9-48 1			<u> </u>			±9.6
10287 CAH						±9.6 ±9.6
10282 CAM		ļ	<u> </u>			±9.6
10239 CAG						±9.6
19280 CAG	L					±9.6
10240 CAG			l			±9.6
10241 CAC LTE-TID (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)		4				±9.6
10243 CAC LTE-TID (SC-FDMA, 50% RB, 1.4 MHz, CPSK) LTE-TDD 9.46 ± 1 10245 CAE LTE-TDD (SC-FDMA, 50% RB, 30MHz, 16-CAM) LTE-TDD 10.06 ± 10246 CAE LTE-TDD (SC-FDMA, 50% RB, 30MHz, 16-CAM) LTE-TDD 10.06 ± 10247 CAH LTE-TDD (SC-FDMA, 50% RB, 30MHz, 16-CAM) LTE-TDD LTE-TDD (SC-FDMA, 50% RB, 30MHz, 16-CAM) LTE-TDD LTE-TDD (SC-FDMA, 50% RB, 50MHz, 16-CAM) LTE-TDD (SC-FDMA, 50% RB, 50MHz, 16-CAM) LTE-TDD LTE-TDD (SC-FDMA, 50% RB, 50MHz, 16-CAM) LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-CAM) LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-CAM) LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-CAM) LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-CAM) LTE-TDD (SC-FDMA, 100% RB, 1-MHz, 64-CAM) LTE-TDD (SC-FDMA, 100% RB, 3-MHz, 16-CAM) LTE-TDD (SC-FDMA, 100% RB, 3					9.82	±9.6
10244 CAE LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-CAM) LTE-TDD 10.06 ± 10245 CAE LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-CAM) LTE-TDD 10.06 ± 10246 CAE LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-CAM) LTE-TDD 9.30 ± 10247 CAH LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-CAM) LTE-TDD 10.09 ± 10248 CAH LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-CAM) LTE-TDD 10.09 ± 10249 CAH LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-CAM) LTE-TDD 10.09 ± 10249 CAH LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-CAM) LTE-TDD 10.09 ± 10250 CAH LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-CAM) LTE-TDD 9.81 ± 10251 CAH LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-CAM) LTE-TDD 9.81 ± 10252 CAH LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-CAM) LTE-TDD 9.81 ± 10253 CAG LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-CAM) LTE-TDD 9.80 ± 10253 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-CAM) LTE-TDD 9.90 ± 10254 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-CAM) LTE-TDD 9.20 ± 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-CAM) LTE-TDD 9.20 ± 10256 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-CAM) LTE-TDD 9.20 ± 10257 CAC LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-CAM) LTE-TDD 9.20 ± 10258 CAG LTE-TDD (SC-FDMA, 100% RB, 14MHz, 16-CAM) LTE-TDD 9.20 ± 10259 CAE LTE-TDD (SC-FDMA, 100% RB, 14MHz, 16-CAM) LTE-TDD 9.90 ± 10259 CAE LTE-TDD (SC-FDMA, 100% RB, 14MHz, 16-CAM) LTE-TDD 9.90 ± 10250 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 10-CAM) LTE-TDD 9.90 ± 10250 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 10-CAM) LTE-TDD 9.90 ± 10250 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 10-CAM) LTE-TDD 9.90 ± 10250 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 10-CAM) LTE-TDD 9.90 ± 10250 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 10-CAM) LTE-TDD 9.90 ± 10250 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 10-CAM) LTE-TDD 9.90 ± 10250 CAH LTE-TDD (SC-FDMA, 100% RB, 5		CAC		LTE-TDD	9.86	±9.6
10246 CAE LITE-TDD (SC-FDMA, 50% RB, 3MHz, 64-CAM) LITE-TDD (SC-FDMA, 50% RB, 5MHz, 16-CAM) LITE-TDD (SC-FDMA, 50% RB, 10MHz, 16-CAM) LITE-TDD (SC-FDMA, 50% RB, 10MHz, 16-CAM) LITE-TDD (SC-FDMA, 50% RB, 10MHz, 64-CAM) LITE-TDD (SC-FDMA, 50% RB, 15MHz, 16-CAM) LITE-TDD (SC-FDMA, 50% RB, 15MHz, 0PSK) LITE-TDD (SC-FDMA, 100% RB, 14MHz, 64-CAM) LITE-TDD (SC-FDMA, 100% RB, 3MHz, 0PSK) LITE-TDD (SC-FDMA, 100% RB, 5MHz, 0PSK) LITE-TDD (SC-FDMA, 10	10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)		9.46	±9.6
10246 CAE LITE-TDD (SC-FDMA, 50% RB, 3MHz, 6PSK)	10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10247 CAH LITE-TDD (SC-FDMA, 50% RB, 5MHz, 64-CAM)	10245	CAE	1	LTE-TDD	10.06	±9.6
10248						±9.6
10280 CAH						±9.6
10250		<u> </u>	1			±9.6
10251 CAH		1				±9.6
10252		 	l			±9.6
10253 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-CAM) LTE-TDD 10.14 ± 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK) LTE-TDD 10.14 ± 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK) LTE-TDD 9.20 ± 10256 CAC LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK) LTE-TDD 9.96 ± 10257 CAC LTE-TDD (SC-FDMA, 100% RB, 14MHz, 64-CAM) LTE-TDD 10.08 ± 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 14MHz, 64-CAM) LTE-TDD 9.94 ± 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 14MHz, 64-CAM) LTE-TDD 9.94 ± 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 34MHz, 64-CAM) LTE-TDD 9.98 ± 10250 CAC LTE-TDD (SC-FDMA, 100% RB, 34MHz, 64-CAM) LTE-TDD 9.97 ± 10250 CAC LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-CAM) LTE-TDD 9.97 ± 10250 CAC LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-CAM) LTE-TDD 9.97 ± 10250 CAC LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-CAM) LTE-TDD 9.83 ± 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-CAM) LTE-TDD 9.83 ± 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-CAM) LTE-TDD 9.83 ± 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-CAM) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 9.23 ± 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 9.22 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 10.07 ± 10267 CAC LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 10.06 ± 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-CAM) LTE-TDD 10.06 ± 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 64-CAM) LTE-TDD 10.06 ± 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 64-CAM) LTE-TDD 10.06 ± 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 64-CAM) LTE-TDD 10.06 ± 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 64-CAM) LTE-TDD 10.06 ± 10260 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 64-CAM) LTE-TDD 10.06 ± 10260 CAG LTE-TDD (SC-FDMA, 500% RB, 16MHz						±9.6 ±9.6
10254 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-CAM) LTE-TDD 10.14 ± 10255 CAG LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK) LTE-TDD 9.86 ± 10256 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-CAM) LTE-TDD 9.96 ± 10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-CAM) LTE-TDD 10.08 ± 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-CAM) LTE-TDD 9.98 ± 10259 CAE LTE-TDD (SC-FDMA, 100% RB, 3.MHz, 16-CAM) LTE-TDD 9.98 ± 10259 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-CAM) LTE-TDD 9.98 ± 10250 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-CAM) LTE-TDD 9.99 ± 10250 CAE LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-CAM) LTE-TDD 9.97 ± 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-CAM) LTE-TDD 9.97 ± 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-CAM) LTE-TDD 9.83 ± 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-CAM) LTE-TDD 10.16 ± 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-CAM) LTE-TDD 10.16 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-CAM) LTE-TDD 9.92 ± 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-CAM) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-CAM) LTE-TDD 9.90 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-CAM) LTE-TDD 9.90 ± 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10266 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 10.06 ± 10267 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 16MHz, 16-CAM) LTE-TDD 9.90 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 16MH		4				±9.6
10255 CAG						±9.6
10266 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ± 10267 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 10268 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 10269 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 112-TDD 9.98 ± 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.97 ± 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.97 ± 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.24 ± 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.83 ± 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.83 ± 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-TDD 9.23 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.22 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 10.07 ± 10267 CAA LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 10.07 ± 10267 CAA LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 10.07 ± 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10270 CAA LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10270 CAA LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10270 CAA LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10270 CAA LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10270 CAA LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10270 CAA LTE-TDD LTE-T						±9.6
10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 ± 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) LTE-TDD 9.34 ± 10259 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.98 ± 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) LTE-TDD 9.97 ± 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 ± 10262 CAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 10262 CAE LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.83 ± 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 10.16 ± 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) LTE-TDD 9.23 ± 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) LTE-TDD 9.23 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) LTE-TDD 10.07 ± 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) LTE-TDD 10.07 ± 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM) LTE-TDD 10.07 ± 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) LTE-TDD 10.13 ± 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) LTE-TDD 10.13 ± 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM) LTE-TDD 10.16 ± 10274 CAC UMT'S-FDD (HSUPA, Sublest 5, 3GPP Rel8.10) WCDMA 4.87 ± 10277 CAA PHS (QPSK) LTE-TDD 4.80 ± 10277 CAA PHS (QPSK) LTE-TDD 4.80 ± 10278 CAC UMT'S-FDD (HSUPA, Sublest 5, 3GPP Rel8.4) WCDMA 3.96 ± 10279 CAA PHS (QPSK) LTE-TDD 4.80 ± 10279 CAA PHS (QPSK) LTE-TDD 5.72 ± 10279 CAA PHS (QPSK) LTE-TDD 5.72 ± 10279 CAA PHS (QPSK) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QSK) LTE-FDD 6.80 ± 10295 AAB CDMA2000						±9.6
10259 CAE				LTE-TDD	10.08	±9.6
10260 CAE		CAC		LTE-TDD	9.34	±9.6
10261 CAE	10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM) LTE-TDD 9.83 ± 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) LTE-TDD 10.16 ± 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) LTE-TDD 9.23 ± 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM) LTE-TDD 9.23 ± 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 16 MHz, QPSK) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.08 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10) WCDMA 4.87 ± 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10) WCDMA 3.96 ± 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.4) WCDMA 3.96 ± 10279 CAA PHS (QPSK) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 11.81 ± 10290 AAB CDMA2000, RC3, SOS2, Full Rate CDMA2000 3.91 ± 10291 AAB CDMA2000, RC3, SOS2, Full Rate CDMA2000 3.96 ± 10292 AAB CDMA2000, RC3, SOS2, Full Rate CDMA2000 3.50 ± 10293 AAB CDMA2000, RC3, SOS2, Full Rate CDMA2000 3.50 ± 10293 AAB CDMA2000, RC3, SOS3, Full Rate CDMA2000 3.50 ± 10293 AAB CDMA2000, RC3, SOS3, Full Rate CDMA2000 3.50 ± 10293 AAB LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 5.72 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 5.72 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 5.81 ± 10303 AAA LEEE 802.166 WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WIMAX 12.67 ± 10304 AAA LEEE 802.166 WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TDD	9.24	±9.6
10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK) LTE-TDD 9.23 ± 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 10.07 ± 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.06 ± 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 10.13 ± 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10) WCDMA 4.67 ± 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10) WCDMA 4.67 ± 10276 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.4) WCDMA 3.96 ± 10277 CAA PHS (QPSK) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 11.81 ± 10290 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.91 ± 10291 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.99 ± 10293 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.99 ± 10293 AAB CDMA2000, RC3, SO37, Full Rate CDMA2000 3.90 ± 10295 AAB CDMA2000, RC3, SO37, Full Rate CDMA2000 3.90 ± 10295 AAB CDMA2000, RC3, SO37, Full Rate CDMA2000 3.90 ± 10295 AAB CDMA2000, RC3, SO37, Full Rate CDMA2000 3.90 ± 10295 AAB CDMA2000, RC3, SO37, Full Rate CDMA2000 3.90 ± 10295 AAB CDMA2000, RC3, SO37, Full Rate CDMA2000 3.90 ± 10295 AAB CDMA2000, RC3, SO37, Full Rate CDMA2000 3.90 ± 10295 AAB LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 5.81 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 6.39 ± 10293 AAB LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 6.39 ± 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK, PUSC) WIMAX 12.62 ± 10300 AAA LEEE 802.160 WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 12.62 ± 10300 AAA LEEE 802.160		CAH				±9.6
10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ± 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 10.07 ± 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.30 ± 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 9.58 ± 10274 CAC LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 9.58 ± 10275 CAC LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 9.58 ± 10277 CAC LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 9.58 ± 10277 CAC LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) WCDMA 4.87 ± 10278 CAC LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) WCDMA 3.96 ± 10277 CAA PHS (QPSK, SW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.91 ± 10292 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.90 ± 10293 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.50 ± 10297 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10297 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10297 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10297 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10297 AAB LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-FDD 5.81 ± 10300 AAA LEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WIMAX 12.03 ± 10300 AAA LEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WIMAX 12.57 ± 10300 AAA LEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10300 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 103						±9.6
10266 CAH						±9.6
10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) LTE-TDD 9.30 ± 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD 10.06 ± 10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10) WCDMA 4.87 ± 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.10) WCDMA 3.96 ± 10277 CAA PHS (QPSK) PHS 11.81 ± 10277 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 12.18 ± 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 10292 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.39 ± 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, full Rate CDMA2000 3.50 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 6.60 ± 10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ± 10303 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, GPSK, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, G4QAM, PUSC) WiMAX 12.52 ± 10305 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, G4QAM, PUSC) WiMAX 15.24 ± 10305 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, G4QAM, PUSC) WiMAX 15.24 ± 10305 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, G4QAM, PUSC) WiMAX 15.24 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, G4QAM, PUSC) WiMAX 15.24 ± 10305 AAA			<u> </u>			±9.6
10268 CAG		 				±9.6
10269 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 ± 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ± 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 10277 CAA PHS (QPSK) PHS 11.81 ± 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 11.81 ± 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 10292 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.39 ± 10293 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.39 ± 10293 AAB CDMA2000, RC3, SO35, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ± 10297 AAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ± 10298 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ± 10300 AAA LEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WiMAX 12.57 ± 10304 AAA LEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 12.62 ± 10305 AAA LEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WIMAX 11.86 ± 10305 AAA LEEE 802.16e WIM		· · · · · · · · · · · · · · · · · · ·	1			±9.6
10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) LTE-TDD 9.58 ± 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.67 ± 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ± 10277 CAA PHS (QPSK) PHS 11.81 ± 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ± 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 11.81 ± 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ± 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ± 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ± 10293 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ± 10295 AAB CDMA2000, RC3, SO3, RO3, RO3, RO3, RO3, RO3, RO3, RO3, R	J					±9.6
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10297 AAE LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK) LTE-FDD 5.81 ± 10298 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-FDD 6.39 ± 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ± 10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ± 10302 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.57 ± 10303 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC) WiMAX 15.24 ±				-		±9.6
10298 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ± 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-FDD 6.39 ± 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ± 10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ± 10302 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WiMAX 12.57 ± 10303 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±	-					±9.6
10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-FDD 6.39 ± 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ± 10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ± 10302 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WiMAX 12.57 ± 10303 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±						±9.6
10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ± 10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ± 10302 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WiMAX 12.57 ± 10303 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±						±9.6 ±9.6
10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ± 10302 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WiMAX 12.57 ± 10303 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±	}		l			±9.6
10302 AAA IEEE 802.16e WiMAX (29:18, 6 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WiMAX 12.57 ± 10303 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ± 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±						±9.6
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10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ± 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)						±9.6
10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±			<u> </u>			±9.6
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			±9.6
10300 AAA 1888 802.100 WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols) WIMAX 14.67 ±	10306	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6
	AAA	IDEN 1:6	IDEN	13.48	±9.6
	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
	AAA	Pulse Waveform (200Hz, 20%)	Generic	6,99	±9.6
	AAA	Pulse Waveform (200Hz, 40%)	Generic	3,98	±9.6
	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
	AAA	QPSK Waveform, 10 MHz	Generic	5,22	±9.6
	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
	AAF	IEEE 802.11ac WiFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
	AAF	IEEE 802.11ac WiFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
1	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
L	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN WLAN	8.47	±9.6
	AAD	IEEE 802,11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40 8.41	±9.6 ±9.6
	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
	AAD	IEEE 802.11n (HT Greenfield, 50 Mbps, 64-QAM)	WLAN	8.41	±9.6
	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
}	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
<u> </u>	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
1	AAD	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
<u> </u>	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
<u> </u>	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10409	10.0.				
	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL. Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL. Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18 8.45	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9,6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54 7.67	±9.6 ±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9,6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9,6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9,6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51 7.74	±9.6 ±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 10-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFl 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFl 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFl 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9,6
10522	AAD	IEEE 802.11a/h WiFi 6 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8,45	±9.6
10523	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN WLAN	8.42	±9.6 ±9.6
10527 10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.21 8.36	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10525	AAD	IEEE 802.11ac WiFI (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFI (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFl (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

1964 AD BEE 802 TIES WIFF (40 Met., AUSS, 89pc duty cycle)	ŲID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
19543 AAD IEEE 802.11 ks WiFL (AUMH-K, MCSS, 98pc day cycle)	1	 			<u> </u>	
10545 AAD EEE 802 116 WIFF (60 MHz, MCSS), 98pc day grote)						
19556 AAD IEEE 802.11ae WFI (80MHz, MCSS, 89pc duty cycle)	10543	AAD		WLAN		
19566 ADD IEEE 002.11se WIFE (60MHz, MCSS, 95pc duty cycle) Wi,AN 8.45 45.6	10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
1964 AAD IEEE 002.11ne WIF [80 MHz, MCS3, 96pc duty cycle) WAAN 8.47 19.0. 1956 AAD IEEE 002.11ne WIF (80 MHz, MCS5, 96pc duty cycle) WAAN 8.37 19.0. 1955 AAD IEEE 002.11ne WIF (80 MHz, MCS5, 96pc duty cycle) WAAN 8.38 29.0. 1955 AAD IEEE 002.11ne WIF (80 MHz, MCS5, 96pc duty cycle) WAAN 8.50 19.0. 1955 AAD IEEE 002.11ne WIF (80 MHz, MCS5, 96pc duty cycle) WAAN 8.64 21.0. 1955 AAD IEEE 002.11ne WIF (80 MHz, MCS5, 96pc duty cycle) WAAN 8.42 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 96pc duty cycle) WAAN 8.46 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.46 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.60 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.50 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.50 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.50 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.50 21.0. 1955 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.50 21.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.51 21.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.51 23.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.56 23.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.56 23.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.56 23.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.56 23.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.56 23.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WAAN 8.56 23.0. 1956 AAE IEEE 002.11ne WIF (160 MHz, MCS5, 98pc duty cycle) WA		AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10550 AAD IEEE 002.11ne WHE (60MHz, MCSS, 99pc duty cycle)				WLAN	8.35	±9.6
19550 ADD IEEE 802.11ae WFI (80MHz, MCSS, 99pc duty cycle)			` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `			
10555 AAD IEEE 80211ac WIFF (80 MHz, MCS7, 98pp oduly cycle)						
10589 AAC IEEE 802.11q WIFE (80 MFL, MCSS, 98pc duty grole)			<u> </u>			
19555 AAE IEEE 80211a WIFI (160 MHz, MCSS, 99pc duty cycle)					<u> </u>	
10555 AAE IEEE 80211a WRIF (1901ME, MCS), 89pc duty cycle)						
10556 AAE IEEE 802.11 to WIFT (1900 MAL ROSS), 990; obity cycle)		ļ				
10565 AAE						
10556 AAE						
10586 AAE						
10569 AAE IEEE 802.11st WFF! (160MHz, WCSS, 99po duly cycle) WLAN 8.56 19.6	10558	AAE				
10563 AAE	10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN		
10566 AAA IEEE 802.11g WiFI (160 MHz, MCS8, 99po duly cycle) WLAN 8.77 1.9.6	10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10566 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 12Mbps, 99pc duty cycle) WLAN 8.45 49.6 10566 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 12Mbps, 99pc duty cycle) WLAN 8.13 49.6 10567 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 12Mbps, 99pc duty cycle) WLAN 8.13 49.6 10568 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 42Mbps, 99pc duty cycle) WLAN 8.37 49.6 10568 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 48Mbps, 99pc duty cycle) WLAN 8.37 49.6 10569 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 48Mbps, 99pc duty cycle) WLAN 8.37 49.6 10570 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 48Mbps, 99pc duty cycle) WLAN 8.10 19.6 10570 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 48Mbps, 99pc duty cycle) WLAN 8.10 19.6 10570 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS-OFDM, 48Mbps, 99pc duty cycle) WLAN 1.99 19.6 10572 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS, 12Mbps, 90pc duty cycle) WLAN 1.99 19.6 10572 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS, 11bps, 90pc duty cycle) WLAN 1.98 19.6 10573 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS, 11bps, 90pc duty cycle) WLAN 1.98 19.6 10576 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 1.98 19.6 10576 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 8.59 49.6 10576 AAA IEEE 802.11b WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 8.60 19.6 10576 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 8.60 19.6 10577 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 8.60 19.6 10577 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 8.60 19.6 10587 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 8.60 19.6 10587 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 90pc duty cycle) WLAN 8.67 19.6 10588 AAD IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18Mbps, 9	10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10565 AAA	10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10586 AAA IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)						
10567 AAA IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 98pc duty cycle) WLAN 8.00 19.6					8.45	±9.6
10589 AAA						
10569 AAA		ļ				
10570 AAA				<u></u>		
10571 AAA						
10572 AAA					1	
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10576		AAA				
10577 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.49 ±9.6 10578 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.49 ±9.6 10580 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10580 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10581 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10581 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10582 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10583 AAD IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10584 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 9hbps, 90pc duty cycle) WLAN 8.69 ±9.6 10585 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 9hbps, 90pc duty cycle) WLAN 8.60 ±9.6 10586 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ±9.6 10586 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.49 ±9.6 10586 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10589 AAD IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.68		AAA				
10579	10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN		
10580 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10581 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ±9.6 10582 AAA IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10583 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10583 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) WLAN 8.60 ±9.6 10585 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ±9.6 10586 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.49 ±9.6 10586 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10588 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10589 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.76 ±9.6 10590 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10590 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10590 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.63 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.74 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.75 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) WLAN 8.79 ±9.6 10590 AAD IEEE 802.11n (HT Mixed, 40 MH	10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10581 AAA	10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10582 AAA	<u></u>	 			8.76	±9.6
10583 AAD						
10584 AAD						
10585 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) WLAN 8.70 ±9.6 10586 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 18 Mbps, 90pc duty cycle) WLAN 8.49 ±9.6 10587 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 24 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10588 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) WLAN 8.36 ±9.6 10589 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 46 Mbps, 90pc duty cycle) WLAN 8.35 ±9.6 10590 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10591 AAD IEEE 802.11a/h WiFl 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.63 ±9.6 10592 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.63 ±9.6 10593 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6 10594 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.64 ±9.6 10595 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10596 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10597 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10598 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.71 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.72 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.79 ±9.6 10600 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.88 ±9.6 10601 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.82 ±9.6 10602 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 M					4	
10586 AAD						
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10588 AAD						
10589 AAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) WLAN 8.35 ±9.6 10590 AAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) WLAN 8.67 ±9.6 10591 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) WLAN 8.63 ±9.6 10592 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) WLAN 8.79 ±9.6 10593 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) WLAN 8.64 ±9.6 10594 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10595 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle) WLAN 8.74 ±9.6 10596 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle) WLAN 8.71 ±9.6 10597 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 10598 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle) WLAN 8.70 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle) WLAN 8.50 ±9.6 10599 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) WLAN 8.79 ±9.6 10600 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle) WLAN 8.88 ±9.6 10601 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.82 ±9.6 10602 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.82 ±9.6 10603 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10604 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10605 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.97 ±9.6 10606 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) WLAN 8.82 ±9.6 10607 AAD IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty					ļ	
10590						
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10607 AAD IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle) WLAN 8.64 ±9.6	10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN		
10608 AAD IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle) WLAN 8.77 ±9.6			IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)		8.64	±9.6
	10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFI (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9,6
10615	AAD	IEEE 802.11ac WiFl (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFI (40 MHz, MCS3, 90pc duty cycle)	WLAN WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.87 8.77	±9.6 ±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFI (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFI (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFl (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8,83	±9,6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN WLAN	8.85 8.98	±9.6
10640	AAE	IEEE 802.11ac WIFI (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	IEEE 802.11ac WiFI (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.91	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659 10660	AAB	Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Test	6.99	±9.6
10661	AAB	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Test	3.98	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%) Pulse Waveform (200Hz, 80%)	Test Test	2,22 0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8,42	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26 8.33	±9.6 ±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6
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UID	Rev	Communication System Name	Cravin	DAD (JD)	Unc ^E k = 2
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	Group WLAN	PAR (dB) 8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8,25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8,82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8,67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8,26	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.48	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS) 1, 99pc duty cycle)	WLAN	8.24	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.87	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.76	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.55 8.70	±9.6 ±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duly cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743 10744	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9,11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCSS, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±9.6
]	vol. (row in is, in ood, dopo duty cycle)	WLAN	8.81	±9.6

UID	Rev	Communication System Name	Group	DAD (dD)	Unc ^E k = 2
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	Group WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8,64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD AAE	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.82	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.01	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.89	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.93	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.89	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.93	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.34 8.37	±9.6
10809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 ±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAE	5G NR (CP-OFDM, 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 TDD	8.41	±9.6
10021	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	, ,, ,,			V, T 1	70.0
	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	+9 6 l
10822		5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36 8.39	±9,6
10822 10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10822 10823 10824	AAF AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)			

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839 10840	AAF AAE	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.70 7.67	±9.6 ±9.6
10840	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872 10873	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.61 6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% HB, 50 MHz, 16QAM, 120 KHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD 5G NR FR2 TDD	8.40	±9.6
10892	AAE	5G NR (CP-OFDM, 1 NB, 50 MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.13	±9.6
10897	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41 5.66	±9.6 ±9.6
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	70 113				
10000	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAD AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68 5. 78	±9.6
10907 10908	AAD AAE AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)			
10907	AAD AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6

1991 AAB SG NN (CHF-COPEN, SOW, RR, 20MHz, CPRS, 20MHz) SG NN FRI TIDD 5.64 19.6	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
19912 AAC 80 NI (IPTS-OFEN), 50% RB, 50MHz, OPEN, 39MHz) SON NFRI TIDD 5.64 2.9.6 1991 AAC 80 NI (IPTS-OFEN), 50% RB, 50MHz, OPEN, 39MHz) SON NFRI TIDD 5.65 2.9.0 1991 AAC 80 NI (IPTS-OFEN), 50% RB, 50MHz, OPEN, 39MHz) SON NFRI TIDD 5.85 2.9.0 1991 AAC 80 NI (IPTS-OFEN), 50% RB, 50MHz, OPEN, 39MHz) SON NFRI TIDD 5.85 2.9.0 1991 AAC 80 NI (IPTS-OFEN), 50% RB, 50MHz, OPEN, 39MHz) SON NFRI TIDD 5.85 2.9.0 1991 AAC 80 NI (IPTS-OFEN), 50% RB, 50MHz, OPEN, 39MHz) SON NFRI TIDD 5.87 2.9.0 1991 AAC 80 NI (IPTS-OFEN), 100% RB, 50MHz, OPEN, 39MHz) SON NFRI TIDD 5.86 1.9.6 1.9.0 1991 AAC 80 NI (IPTS-OFEN), 100% RB, 100MHz, OPEN, 39MHz) SON NFRI TIDD 5.86 1.9.6 1.9.0 1992 AAC 80 NI (IPTS-OFEN), 100% RB, 100MHz, OPEN, 39MHz) SON NFRI TIDD 5.86 1.9.6 1.9.0 1					<u> </u>	
19915 ADD SG NR (DFT-OFDIN, 50% RB, 40MHz, QPSK, 59MHz) SG NN FRT TIDD 5.64 1.9.6				<u> </u>		
19915 AND GEN RICPTS-OFFINE, 50M-RE, 50M-R	10913	AAD			ļ	
19915 AAD SO NN (DFTs-OFDM, 507-NR 9, 001-NHz, CPSK, 300-Hz) SO NR FRI TIDD 5.83 4.96	10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)			
1991 AAD SO NR (DFF-0-0FDM, 599% RB, 100MHz, OPSK, 500Hz) SO NR FRI TOD 5.94 5.96 19.96	10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)			
19919 AAC 50 AN (DET&-OFDM, 100% RB, 50HHz, OPSK, 50HHz) 50 AN RERI TOD 5.88 4.9.0	10916	AAD		5G NR FR1 TDD	5.87	±9.6
1992 AAS SO NR (DFF4-OFDM, 190K RB, 190M-Y, OPSK, 500M-Y) SG NR FRI TOD S.85 1.96 1.98	10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,94	±9.6
1992 AAD SO NR (DFT=OFON, 1009 RB, 15MHz, OPSK, 30MHz)		_		5G NR FR1 TDD	5.86	±9.6
19922 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.82 4.9.6 19923 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.84 4.9.6 19924 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.84 4.9.6 19925 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.84 4.9.6 19926 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.84 4.9.6 19926 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.84 4.9.6 19927 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.84 4.9.6 19928 AAD SO NR (DFT-S-OFDM, 1098 RB, 20MHz, OPSK, 30MHz) SG NR FFHT TDD 5.84 4.9.6 19928 AAD SO NR (DFT-S-OFDM, 1678 RB, 10MHz, OPSK, 15MHz) SG NR FFHT TDD 5.82 4.9.6 19928 AAD SO NR (DFT-S-OFDM, 1678 RB, 10MHz, OPSK, 15MHz) SG NR FFHT FDD 5.52 4.9.8 19939 AAD SG NR (DFT-S-OFDM, 1678 RB, 10MHz, OPSK, 15MHz) SG NR FFHT FDD 5.52 4.9.8 19939 AAD SG NR (DFT-S-OFDM, 1678 RB, 10MHz, OPSK, 15MHz) SG NR FFHT FDD 5.52 4.9.8 19939 AAD SG NR (DFT-S-OFDM, 1678 RB, 10MHz, OPSK, 15MHz) SG NR FFHT FDD 5.55 4.9.8 19939 AAD SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.51 4.9.8 19939 AAC SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.51 4.9.8 19939 AAC SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.51 4.9.8 19939 AAC SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.51 4.9.8 19939 AAC SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.51 4.9.8 19939 AAC SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.51 4.9.8 19939 AAC SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.51 4.9.8 19939 AAC SG NR (DFT-S-OFDM, 1678 RB, 20MHz, OPSK, 15MHz) SG NR FFHT FDD 5.5				5G NR FR1 TDD	5.86	±9.6
19922 AAD SO NR (DFT-COPM), 100% RB, 28 MHz, OPSK, 30 MHz)			· · · · · · · · · · · · · · · · · · ·	5G NR FR1 TDD	5.87	±9.6
19924 AAD SON RIPTE-OFOM, 100% RB, 90MHz, OPSK, 30MHz) SG NIP FRIT TOD 5.86 19.85 19.95 AAC SON RIPTE-OFOM, 100% RB, 90MHz, OPSK, 30MHz) SG NIP FRIT TOD 5.86 19.85 19.92 AAC SON RIPTE-OFOM, 100% RB, 50MHz, OPSK, 30MHz) SG NIP FRIT TOD 5.86 19.85 19.85 19.85 AAC SON RIPTE-OFOM, 100% RB, 50MHz, OPSK, 30MHz) SG NIP FRIT TOD 5.84 49.85			4 · · · · · · · · · · · · · · · · · · ·	5G NR FR1 TDD	5.84	
19925 AAD 60 NR (DFT-6-OFDM, 1009 NR, 60 NHZ, OPEK, 30 NHz) 56 NN FRIT TOD 5.84 49.6 19926 AAD 50 NR (DFT-6-OFDM, 1009 NR, 60 NHZ, OPEK, 30 NHz) 56 NN FRIT TOD 5.84 49.6 19927 AAD 50 NR (DFT-6-OFDM, 1009 NR, 60 NHZ, OPEK, 30 NHz) 56 NN FRIT TOD 5.84 49.6 19928 AAD 50 NR (DFT-6-OFDM, 1009 NR, 60 NHZ, OPEK, 50 NHz) 56 NN FRIT TOD 5.84 49.6 19929 AAD 50 NR (DFT-6-OFDM, 1009 NR, 60 NHZ, OPEK, 15 NHz) 56 NN FRIT FOD 5.52 49.6 19929 AAD 50 NR (DFT-6-OFDM, 1 RB, 10 NHz, OPEK, 15 NHz) 56 NN FRIT FOD 5.52 49.6 19930 AAC 50 NR (DFT-6-OFDM, 1 RB, 15 NHz, OPEK, 15 NHz) 56 NN FRIT FOD 5.52 49.6 19931 AAC 50 NR (DFT-6-OFDM, 1 RB, 25 NHz, OPEK, 15 NHz) 56 NN FRIT FOD 5.51 49.8 19932 AAC 50 NR (DFT-6-OFDM, 1 RB, 25 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19933 AAC 50 NR (DFT-6-OFDM, 1 RB, 25 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19934 AAC 50 NR (DFT-6-OFDM, 1 RB, 20 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19935 AAC 50 NR (DFT-6-OFDM, 1 RB, 20 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19935 AAC 50 NR (DFT-6-OFDM, 1 RB, 20 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19935 AAC 50 NR (DFT-6-OFDM, 1 RB, 20 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19935 AAC 50 NR (DFT-6-OFDM, 100 NR, 100 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19935 AAC 50 NR (DFT-6-OFDM, 100 NR, 100 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.51 49.8 19935 AAC 50 NR (DFT-6-OFDM, 500 NR, 10 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.50 49.9 19935 AAC 50 NR (DFT-6-OFDM, 500 NR, 10 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.50 49.9 19935 AAC 50 NR (DFT-6-OFDM, 500 NR, 10 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.50 49.9 19935 AAC 50 NR (DFT-6-OFDM, 500 NR, 10 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.50 49.9 19936 AAC 50 NR (DFT-6-OFDM, 500 NR, 10 NHz, OPEK, 15 NHz) 56 NR FRIT FOD 5.50 49.9						±9.6
19926 AAC SG NR (DFT-S-OFOM, 100% RB, 60MHz, OPSK, 30MHz) SG NR FRI TOD 5,84 4.9.8 1992 AAC SG NR (DFT-S-OFOM, 100% RB, 60MHz, OPSK, 30MHz) SG NR FRI TOD 5,84 4.9.8 4.9.8 1992 AAC SG NR (DFT-S-OFOM, 100% RB, 60MHz, OPSK, 15MHz) SG NR FRI TOD 5,82 4.9.8 1992 AAC SG NR (DFT-S-OFOM, 1 RB, 10MHz, OPSK, 15MHz) SG NR FRI FDD 5,52 4.9.8 1992 AAC SG NR (DFT-S-OFOM, 1 RB, 10MHz, OPSK, 15MHz) SG NR FRI FDD 5,52 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 10MHz, OPSK, 15MHz) SG NR FRI FDD 5,52 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 1 RB, 30MHz, OPSK, 15MHz) SG NR FRI FDD 5,51 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 30% RB, 15MHz, OPSK, 15MHz) SG NR FRI FDD 5,50 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 30% RB, 15MHz, OPSK, 15MHz) SG NR FRI FDD 5,50 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 50% RB, 15MHz, OPSK, 15MHz) SG NR FRI FDD 5,60 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 50% RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,80 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 50% RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,80 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 50% RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,80 4.9.8 1993 AAC SG NR (DFT-S-OFOM, 50% RB, 20MHz, OPSK, 15MHz) SG NR FRI FDD 5,80 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8 4.9.8			<u> </u>	<u> </u>		
19922 AAD 5G NR (DFTs-OFDM, 100% RB, 60MHz, OPSK, 15MHz) 5G NR FRI TOD 5.94 4.9.6						ļ
19928 AAD 60 NR (DFF=-0FDM, 190 KR, 190 KH, 20PSK, 159Hz)						
19928 AAD SG NR (DFTs-OFDM, 18B, 5MHz, OPSK, 15Hz) SG NR FRI FDD 5.52 49.6 19939 AAC SG NR (DFTs-OFDM, 18B, 19MHz, OPSK, 15Hz) SG NR FRI FDD 5.52 49.6 19931 AAC SG NR (DFTs-OFDM, 18B, 15MHz, OPSK, 15Hz) SG NR FRI FDD 5.52 49.8 19932 AAC SG NR (DFTs-OFDM, 18B, 15MHz, OPSK, 15Hz) SG NR FRI FDD 5.51 43.8 19932 AAC SG NR (DFTs-OFDM, 18B, 25MHz, OPSK, 15Hz) SG NR FRI FDD 5.51 43.8 19933 AAC SG NR (DFTs-OFDM, 18B, 25MHz, OPSK, 15Hz) SG NR FRI FDD 5.51 43.6 19934 AAC SG NR (DFTs-OFDM, 18B, 25MHz, OPSK, 15Hz) SG NR FRI FDD 5.51 43.6 19935 AAC SG NR (DFTs-OFDM, 18B, 25MHz, OPSK, 15Hz) SG NR FRI FDD 5.51 43.6 19936 AAO SG NR (DFTs-OFDM, 18B, 25MHz, OPSK, 15Hz) SG NR FRI FDD 5.51 43.6 19936 AAO SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.51 43.6 19936 AAO SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.90 45.6 19937 AAO SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.77 43.9 19938 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.77 43.9 19939 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.77 43.9 19939 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.79 49.6 19940 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.89 49.8 19941 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.89 49.8 19942 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.89 49.8 19943 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.89 49.8 19944 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.89 49.8 19945 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.89 49.8 19946 AAC SG NR (DFTs-OFDM, 59R, 8P, 54Hz, OPSK, 15Hz) SG NR FRI FDD 5.89 49.8 19947 AAC SG NR (DFTs-OFDM, 59R, 59Rz, 59Rz, 59Rz, 59Rz, 59Rz, 59R						
10929 AAD SG NR (PFT-SCPDM, 1 RB, 10MHz, CPSK, 15KHz) SG NR FRI FDD 5.52 ±9.8 10931 AAC SG NR (PFT-SCPDM, 1 RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.52 ±9.8 10932 AAC SG NR (PFT-SCPDM, 1 RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10932 AAC SG NR (PFT-SCPDM, 1 RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10933 AAC SG NR (PFT-SCPDM, 1 RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10933 AAC SG NR (PFT-SCPDM, 1 RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10934 AAC SG NR (PFT-SCPDM, 1 RB, 40MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10935 AAD SG NR (PFT-SCPDM, 1 RB, 40MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10935 AAD SG NR (PFT-SCPDM, 1 RB, 40MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10937 AAO SG NR (PFT-SCPDM, 1 RB, 40MHz, CPSK, 15KHz) SG NR FRI FDD 5.51 ±9.6 10937 AAO SG NR (PFT-SCPDM, 50% RB, 50MHz, CPSK, 15KHz) SG NR FRI FDD 5.77 ±9.6 10937 AAO SG NR (PFT-SCPDM, 50% RB, 15MHz, CPSK, 15KHz) SG NR FRI FDD 5.77 ±9.6 10939 AAC SG NR (PFT-SCPDM, 50% RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.77 ±9.6 10939 AAC SG NR (PFT-SCPDM, 50% RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.90 ±9.6 10939 AAC SG NR (PFT-SCPDM, 50% RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.90 ±9.6 10941 AAC SG NR (PFT-SCPDM, 50% RB, 20MHz, CPSK, 15KHz) SG NR FRI FDD 5.82 ±9.6 10942 AAC SG NR (PFT-SCPDM, 50% RB, 30MHz, CPSK, 15KHz) SG NR FRI FDD 5.83 ±9.6 10944 AAC SG NR (PFT-SCPDM, 50% RB, 30MHz, CPSK, 15KHz) SG NR FRI FDD 5.83 ±9.6 10944 AAC SG NR (PFT-SCPDM, 50% RB, 30MHz, CPSK, 15KHz) SG NR FRI FDD 5.83 ±9.6 10944 AAC SG NR (PFT-SCPDM, 50% RB, 30MHz, CPSK, 15KHz) SG NR FRI FDD 5.86 ±9.6 10944 AAC SG NR (PFT-SCPDM, 50% RB, 30MHz, CPSK, 15KHz) SG NR FRI FDD 5.86 ±9.6 10944 AAC SG NR (PFT-SCPDM, 50% RB, 30MHz, CPSK, 15KHz) SG NR FRI FDD 5.86 ±9.6 10944 AAC SG NR (PFT-SCPDM, 50% RB,						
1939 AAC SG NR (DFTs-OFDM, 18B, 15MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1932 AAC SG NR (DFTs-OFDM, 18B, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1933 AAC SG NR (DFTs-OFDM, 18B, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1933 AAC SG NR (DFTs-OFDM, 1 RB, 35MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1933 AAC SG NR (DFTs-OFDM, 1 RB, 35MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1933 AAC SG NR (DFTs-OFDM, 1 RB, 35MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1933 AAC SG NR (DFTs-OFDM, 1 RB, 35MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1933 AAC SG NR (DFTs-OFDM, 1 RB, 35MHz, OPSK, 15MHz) SG NR FRI FDD S.51 ±8.6 1933 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz) SG NR FRI FDD S.50 ±8.6 1933 AAC SG NR (DFTs-OFDM, 50% RB, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.77 ±9.6 1933 AAC SG NR (DFTs-OFDM, 50% RB, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.77 ±9.6 1939 AAC SG NR (DFTs-OFDM, 50% RB, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.82 ±9.8 1934 AAC SG NR (DFTs-OFDM, 50% RB, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.82 ±9.8 1934 AAC SG NR (DFTs-OFDM, 50% RB, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.82 ±9.8 1934 AAC SG NR (DFTs-OFDM, 50% RB, 25MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAC SG NR (DFTs-OFDM, 50% RB, 35MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAD SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz) SG NR FRI FDD S.83 ±9.6 1934 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, OPSK, 15MHz)			1			
10932 AAC SG NR (PFE-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FRI FDD 5,51 1.9.8						
10932 AAC SG NR [DFTs-OFDM, 1 RB, 28MHz, OPSK, 15MHz] SG NR FR1 FDD 5.51 10.8						
10933 AAC SG NR (DFT-G-CFOM, 1 RB, 30MHz, QPSK, 15Hz) SG NR FRI FDD 5.51 19.6 10934 AAC SG NR (DFT-G-CFOM, 1 RB, 50MHz, QPSK, 15Hz) SG NR FRI FDD 5.51 19.6 10935 AAD SG NR (DFT-G-CFOM, 1 RB, 50MHz, QPSK, 15Hz) SG NR FRI FDD 5.51 19.6 10937 AAD SG NR (DFT-G-CFOM, 50% RB, 5MHz, QPSK, 15Hz) SG NR FRI FDD 5.90 19.6 10937 AAD SG NR (DFT-G-CFOM, 50% RB, 5MHz, QPSK, 15Hz) SG NR FRI FDD 5.90 19.6 10938 AAC SG NR (DFT-G-CFOM, 50% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.90 19.6 10939 AAC SG NR (DFT-G-CFOM, 50% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.90 19.6 10939 AAC SG NR (DFT-G-CFOM, 50% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.82 19.8 10940 AAC SG NR (DFT-G-CFOM, 50% RB, 25MHz, QPSK, 15Hz) SG NR FRI FDD 5.89 19.6 10941 AAC SG NR (DFT-G-CFOM, 50% RB, 25MHz, QPSK, 15Hz) SG NR FRI FDD 5.89 19.6 10942 AAC SG NR (DFT-G-CFOM, 50% RB, 30MHz, QPSK, 15Hz) SG NR FRI FDD 5.89 19.6 10942 AAC SG NR (DFT-G-CFOM, 50% RB, 50MHz, QPSK, 15Hz) SG NR FRI FDD 5.89 19.6 10944 AAD SG NR (DFT-G-CFOM, 50% RB, 50MHz, QPSK, 15Hz) SG NR FRI FDD 5.99 19.6 10944 AAD SG NR (DFT-G-CFOM, 100% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.95 19.6 10944 AAD SG NR (DFT-G-CFOM, 100% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.95 19.6 10944 AAD SG NR (DFT-G-CFOM, 100% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.87 19.6 10944 AAD SG NR (DFT-G-CFOM, 100% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.87 19.6 10944 AAD SG NR (DFT-G-CFOM, 100% RB, 15MHz, QPSK, 15Hz) SG NR FRI FDD 5.87 19.6 10944 AAD SG NR (DFT-G-CFOM, 100% RB, 25MHz, QPSK, 15Hz) SG NR FRI FDD 5.87 19.6 10945 AAC SG NR (DFT-G-CFOM, 100% RB, 25MHz, QPSK, 15Hz) SG NR FRI FDD 5.87 19.6 10946 AAC SG NR (DFT-G-CFOM, 100% RB, 25MHz, QPSK, 15Hz) SG NR FRI FDD 5.87 19.6 10947 AAC SG NR (DFT-G-CFOM, 100% RB, 25MHz, QPSK, 15Hz) SG NR F						-
10935 AAC SG NR (DFT-S-OFDM, 1 RB, 50MHz, QPSK, 15kHz)						
10936 AAD 56 NR (DFFs-OFDM, 178, 50MHz, QPSK, 15HHz) 56 NR FRI FDD 5.51 49.6 10937 AAD 56 NR (DFFs-OFDM, 50% RB, 5MHz, QPSK, 15HHz) 56 NR FRI FDD 5.77 49.6 10938 AAC 56 NR (DFFs-OFDM, 50% RB, 15MHz, QPSK, 15HHz) 56 NR FRI FDD 5.90 49.6 10939 AAC 56 NR (DFFs-OFDM, 50% RB, 15MHz, QPSK, 15HHz) 56 NR FRI FDD 5.82 49.6 10940 AAC 56 NR (DFFs-OFDM, 50% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.82 49.6 10940 AAC 56 NR (DFFs-OFDM, 50% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.89 49.6 10941 AAC 56 NR (DFFs-OFDM, 50% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.89 49.6 10942 AAC 56 NR (DFFs-OFDM, 50% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.89 49.6 10942 AAC 56 NR (DFFs-OFDM, 50% RB, 30 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.85 49.6 10943 AAD 56 NR (DFFs-OFDM, 50% RB, 40 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.85 49.6 10944 AAD 56 NR (DFFs-OFDM, 50% RB, 50 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.85 49.6 10944 AAD 56 NR (DFFs-OFDM, 100% RB, 50 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.81 49.6 10944 AAD 56 NR (DFFs-OFDM, 100% RB, 50 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.85 49.6 10944 AAD 56 NR (DFFs-OFDM, 100% RB, 50 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.85 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 50 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.85 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 50 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.85 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 50 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.87 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.87 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.87 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.87 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.87 49.6 10944 AAC 56 NR (DFFs-OFDM, 100% RB, 20 MHz, QPSK, 15HHz) 56 NR FRI FDD 5.87 49						
1993 AAD 5G NR (PFFs-OFDM, 50% RB, 5MHz, QPSK, 15kHz) 5G NR FRI FDD 5.70 49.6 1983 AAC 5G NR (DFFs-OFDM, 50% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.77 49.6 1983 AAC 5G NR (DFFs-OFDM, 50% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.80 49.6 1984 AAC 5G NR (DFFs-OFDM, 50% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.82 49.6 19940 AAC 5G NR (DFFs-OFDM, 50% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.82 49.6 19941 AAC 5G NR (DFFs-OFDM, 50% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 49.6 19942 AAC 5G NR (DFFs-OFDM, 50% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 49.6 19943 AAC 5G NR (DFFs-OFDM, 50% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 49.6 19944 AAC 5G NR (DFFs-OFDM, 50% RB, 40MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 49.6 19945 AAD 5G NR (DFFs-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR FRI FDD 5.81 49.6 19945 AAC 5G NR (DFFs-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 49.6 19946 AAC 5G NR (DFFs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 49.6 19949 AAC 5G NR (DFFs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 49.6 19949 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 49.6 19949 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 49.6 19949 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 49.6 19949 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 49.6 19949 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 49.6 19949 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 49.6 19959 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 49.6 19959 AAC 5G NR (DFFs-OFDM, 100% RB, 40MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 49.6 19959 AAC 5G NR (DFFs-OFDM, 100% RB, 40MHz, QPSK, 15kHz) 5G	10935	AAD				
1993 AAD SO NR (DFTs-OFDM, 50% RB, 15MHz, QPSK, 15KHz) 5G NR FRI FDD 5.90 49.6 1998 AAC 5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 49.6 19940 AAC 5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 49.6 19940 AAC 5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.93 49.6 19941 AAC 5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.93 49.6 19942 AAC 5G NR (DFTs-OFDM, 50% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 19943 AAC 5G NR (DFTs-OFDM, 50% RB, 40MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 19944 AAD 5G NR (DFTs-OFDM, 50% RB, 40MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 19944 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 19945 AAD 5G NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 19946 AAC 5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.86 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.87 49.8 19.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.97 49.8 19.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 49.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 4	10936	AAD				
10938 AAC SG NR (PFT-S-OPEM, 50% RB, 15MHz, QPSK, 15KHz) SG NR FRI FDD 5.90 9.6.8 19.8 10940 AAC SG NR (PFT-S-OPEM, 50% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.83 19.8 10941 AAC SG NR (PFT-S-OPEM, 50% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.83 19.8 10941 AAC SG NR (PFT-S-OPEM, 50% RB, 40MHz, QPSK, 15KHz) SG NR FRI FDD 5.83 19.8 19.8 10942 AAC SG NR (PFT-S-OPEM, 50% RB, 40MHz, QPSK, 15KHz) SG NR FRI FDD 5.85 19.6 10942 AAC SG NR (PFT-S-OPEM, 50% RB, 40MHz, QPSK, 15KHz) SG NR FRI FDD 5.85 19.6 10943 AAD SG NR (PFT-S-OPEM, 50% RB, 40MHz, QPSK, 15KHz) SG NR FRI FDD 5.85 19.6 10944 AAC SG NR (PFT-S-OPEM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FRI FDD 5.85 19.6 10944 AAC SG NR (PFT-S-OPEM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FRI FDD 5.85 19.6 10945 AAC SG NR (DFT-S-OPEM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FRI FDD 5.85 19.6 10945 AAC SG NR (DFT-S-OPEM, 100% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.83 19.6 10947 AAC SG NR (DFT-S-OPEM, 100% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.87 19.8 10948 AAC SG NR (DFT-S-OPEM, 100% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.87 19.8 10949 AAC SG NR (DFT-S-OPEM, 100% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.94 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.94 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 20MHz, QPSK, 15KHz) SG NR FRI FDD 5.94 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 30MHz, QPSK, 15KHz) SG NR FRI FDD 5.94 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 30MHz, QPSK, 15KHz) SG NR FRI FDD 5.94 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 30MHz, QPSK, 15KHz) SG NR FRI FDD 5.92 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 30MHz, QPSK, 15KHz) SG NR FRI FDD 5.92 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 30MHz, QPSK, 15KHz) SG NR FRI FDD 5.92 19.6 10940 AAC SG NR (DFT-S-OPEM, 100% RB, 30MHz, QPSK, 15KHz)	10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)			
1939 AAC 5G NR (PFTs-OFDM, 50% RB, 28MHz, QPSK, 15kHz) 5G NR FRI FDD 5.82 49.6	10938	AAC		5G NR FR1 FDD		
10941 AAC SG NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 15kHz) SG NR FRI FDD 5.83 19.6 10942 AAC SG NR (DFT-s-OFDM, 50% RB, 40MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 19.6 10943 AAD SG NR (DFT-s-OFDM, 50% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.95 19.6 10944 AAD SG NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.81 19.6 10946 AAC SG NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 19.6 10946 AAC SG NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz) SG NR FRI FDD 5.83 19.6 10947 AAC SG NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10948 AAC SG NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10950 AAC SG NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 19.6 10951 AAD SG NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 19.6 10952 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.92 19.6 10953 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.92 19.6 10954 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 8.25 19.6 10955 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 8.25 19.6 10955 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 8.25 19.6 10955 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 8.21 19.6 10956 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 8.42 19.6 10957 AAA SG NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 8.42 19.6 10958 AAA SG NR DL (CP-OFDM				5G NR FR1 FDD	5.82	±9.6
10942 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.95 19.6 10943 AAD SG NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.95 19.6 10944 AAD SG NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.81 19.6 10945 AAD SG NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 19.6 10946 AAC SG NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 19.6 10947 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10948 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10949 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 19.6 10949 AAC SG NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 19.6 10950 AAC SG NR (DFTs-OFDM, 100% RB, 40MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 19.6 10951 AAD SG NR (DFTs-OFDM, 100% RB, 40MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 19.6 10952 AAA SG NR (DFTs-OFDM, 100% RB, 40MHz, QPSK, 15kHz) SG NR FRI FDD 5.92 19.6 10953 AAA SG NR (DFTs-OFDM, 100% RB, 40MHz, QPSK, 15kHz) SG NR FRI FDD 5.92 19.6 10954 AAA SG NR DL (CP-OFDM, 110 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 19.6 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 19.6 10956 AAA SG NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.21 19.6 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.31 19.6 10958 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.31 19.6 10959 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.31 19.6 10959 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.31 19.6 10959 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI TDD 9.32 19.6 10959 AAA SG NR DL (CP-OFDM, TM				5G NR FR1 FDD	5.89	±9.6
10943 AAD SG NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.95 19.6 10944 AAD SG NR (DFTs-OFDM, 100% RB, 5MHz, QPSK, 15kHz) SG NR FRI FDD 5.81 19.6 10945 AAD SG NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) SG NR FRI FDD 5.83 19.6 10946 AAC SG NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) SG NR FRI FDD 5.83 19.6 10947 AAC SG NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10948 AAC SG NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10949 AAC SG NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10940 AAC SG NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10950 AAC SG NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 19.6 10951 AAD SG NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) SG NR FRI FDD 5.92 19.6 10952 AAA SG NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) SG NR FRI FDD 5.92 19.6 10953 AAA SG NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.25 19.6 10954 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 19.6 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 19.6 10956 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 19.6 10957 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 19.6 10958 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.14 19.6 10959 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.31 19.6 10959 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.31 19.6 10959 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 9.32 19.6 10959 AAA SG NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) SG NR FRI TDD 9.35 19.6 10958 AAC SG NR DL (CP-OFDM,				5G NR FR1 FDD	5.83	±9.6
10944 AAD 5G NR (DFTs-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR FRI FDD 5.81 ±9.6 10945 AAD 5G NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 ±9.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10948 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10952 AAA 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10952 AAA 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.21 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 9.32 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 9			 	5G NR FR1 FDD	5.85	±9.6
10945 AAD 5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 ±9.6 10946 AAC 5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 ±9.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10948 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 35MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 36MHz, QPSK, 15kHz) 5G NR FRI FDD 5.97 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DETS-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DETS-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10953 AAA 5G NR DETS-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10954 AAA 5G NR DETS-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10955 AAA 5G NR DETS-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 8.15 ±9.6 10955 AAA 5G NR DETS-OFDM, 100% RB, 50MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.15 ±9.6 10955 AAA 5G NR DETS-OFDM, 100% RB, 50MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.14 ±9.6 10956 AAA 5G NR DETS-OFDM, 100% RB, 64-QAM, 30kHz) 5G NR FRI FDD 8.14 ±9.6 10956 AAA 5G NR DETS-OFDM, 100% RB, 64-QAM, 30kHz) 5G NR FRI FDD 8.11 ±9.6 10956 AAA 5G NR DETS-OFDM, 100% RB, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DETS-OFDM, 100% RB, 64-QAM, 30kHz) 5G NR FRI FDD 8.61 ±9.6 10956 AAA 5G NR DETS-OFDM, 100% RB, 64-QAM, 15kHz) 5G NR FRI FDD 9.32 ±9.6 10956 AAA 5G NR DETS-OFDM, 100% RB, 64-QAM, 15kHz) 5G NR FRI FDD 9.32 ±9.6 10956 AAA 5G NR DETS-OFDM, 100% RB, 64-QAM, 15kHz) 5G NR FRI TDD 9.55 ±9.6 10956 AAB 5G NR DETS-OFDM, 100% RB, 64-		ļ			5.95	±9.6
10946 AAC 5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 ±9.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10948 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.41 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FRI FDD 8.32 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FRI FDD 9.32 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FRI FDD 9.35 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FRI TDD 9.55 ±9.6 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FRI TD						
10947 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.87 ±9.6 10948 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-OAM, 15KHz) 5G NR FRI FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-OAM, 15KHz) 5G NR FRI FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15KHz) 5G NR FRI FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15KHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 8.14 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 8.14 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 8.61 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI FDD 9.32 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI TDD 9.36 ±9.6 10958 AAC 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI TDD 9.36 ±9.6 10958 AAC 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FRI TDD 9.39 ±9.6 10958 AAC 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30KHz) 5G NR FR			4 · · · · · · · · · · · · · · · · · · ·			
10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.94 ±9.6 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.94 ±9.6 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.94 ±9.6 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.15 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.32 ±9.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 9.32 ±9.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.32 ±9.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.32 ±9.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.32 ±9.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.35 ±9.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64						
10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.87 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.94 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.15 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.23 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.42 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.41 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.14 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.61 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.61 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.33 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 9.32 ±9.6 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FRI TDD 9.32 ±9.6 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FRI TDD 9.36 ±9.6 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FRI TDD 9.36 ±9.6 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FRI TDD 9.37 ±9.6 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FRI TDD 9.29 ±9.6 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FRI TDD 9.29 ±9.6 10956 AAC 5	ļ			ļ		
10950 AAC 56 NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.94 ±9.6 10951 AAD 56 NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 56 NR FR1 FDD 5.92 ±9.6 10952 AAA 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 FDD 8.25 ±9.6 10953 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 56 NR FR1 FDD 8.23 ±9.6 10954 AAA 56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 56 NR FR1 FDD 8.23 ±9.6 10955 AAA 56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 56 NR FR1 FDD 8.24 ±9.6 10955 AAA 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 56 NR FR1 FDD 8.42 ±9.6 10957 AAA 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 56 NR FR1 FDD 8.14 ±9.6 10958 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 56 NR FR1 FDD 8.31 ±9.6 10958 AAA 56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 56 NR FR1 FDD 8.61 ±9.6 10959 AAA 56 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 56 NR FR1 FDD 8.61 ±9.6 10959 AAA 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 FDD 8.33 ±9.6 10960 AAE 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.32 ±9.6 10962 AAB 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.36 ±9.6 10964 AAE 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.40 ±9.6 10965 AAC 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.40 ±9.6 10966 AAE 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.55 ±9.6 10966 AAE 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.55 ±9.6 10966 AAE 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.40 ±9.6 10966 AAE 56 NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.40 ±9.6 10966 AAC 56 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 56 NR FR1 TDD 9.55 ±9.6 10966 AAC 56 NR DL						
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10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6						
10982 AAA ULLA HDRp8				ULLA	3.19	±9.6
	10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL. (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8,44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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

Calibration Laboratory of

Schmid & Partner **Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst Service suisse d'étalonnage C

Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

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

Client

Element Columbia, USA

Certificate No.

EX-7803 Jun24

CALIBRATION CERTIFICATE

585 07/16/24

Object

EX3DV4 - SN:7803

Calibration procedure(s)

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

QA CAL-25.v8

Calibration procedure for dosimetric E-field probes

Calibration date

June 28, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660_Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349 Jun24)	Jun-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-24)	In house check: Jun-26
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

Name **Function** Signature

Calibrated by Joanna Lleshaj Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: July 01, 2024

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

Certificate No: EX-7803_Jun24

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Calibration Laboratory of

Schmid & Partner Engineering AG

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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Glossary

TSL

tissue simulating liquid sensitivity in free space

NORMx,y,z ConvF

sensitivity in TSL / NORMx,y,z

DCP

diode compression point

CF

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

A, B, C, D

 φ rotation around probe axis

Polarization φ Polarization ϑ

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

normal to probe axis

Connector Angle

Certificate No: EX-7803_Jun24

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

EX3DV4 - SN:7803 June 28, 2024

Parameters of Probe: EX3DV4 - SN:7803

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (μ V/(V/m) ²) A	0.68	0.68	0.72	±10.1%
DCP (mV) B	109.0	107.7	105.9	±4.7%

Calibration Results for Modulation Response

GIU	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√ μV		dB	m۷	dev.	Unc ^E
				• -					k = 2
0	CW	X	0.00	0.00	1.00	0.00	149.4	±1.4%	±4.7%
		Y	0.00	0.00	1.00		118.4		
		Z	0.00	0.00	1.00		125.4		
10352	Pulse Waveform (200Hz, 10%)	X	1.64	61.16	6.71	10.00	60.0	±3.2%	±9.6%
		Y	1.61	61.09	6.93		60.0		
		Z	1.74	61.68	7.03		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	0.85	60.00	5.11	6.99	80.0	±2.3%	±9.6%
		Ŷ	0.88	60.00	5.41		80.0		
		Z	0.81	60.00	5.09		80.0		
10354	Pulse Waveform (200Hz, 40%)	Х	0.46	60.00	4.12	3.98	95.0	±1.7%	±9.6%
		Y	0.48	60.00	4.52		95.0		
		Z	0.41	60.00	4.03	· ·	95.0		
10355	Pulse Waveform (200Hz, 60%)	X	0.28	60.00	3.49	2,22	120.0	±1.6%	±9.6%
		Υ	13.71	152.90	5.98		120.0		
		Z	0.24	60.00	3.38]	120.0	1	
10387	QPSK Waveform, 1 MHz	Х	0.66	67.45	15.04	1.00	150.0	±3.3%	±9.6%
		Υ	0.62	64.22	12.72	1	150.0		
		Z	0.83	69.78	16.20]	150.0		
10388	QPSK Waveform, 10 MHz	X	1.52	68.48	15.34	0.00	150.0	±1.2%	±9.6%
		Y	1.39	65.94	14.11]	150.0]	
		Z	1.64	68.96	15.83		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.82	65.85	16,44	3.01	150.0	±0.9%	±9.6%
		Y	1.78	65.04	15.82		150.0		
		Z	1.78	65.57	16.73		150.0		
10399	64-QAM Waveform, 40 MHz	Х	2.90	67.19	15.61	0.00	150.0	±1.6%	±9.6%
	T-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A	Y	2.85	66.29	15.06		150.0		
		Z	3.00	67.32	15.81		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	Х	3.82	66.57	15.55	0.00	150.0	±2.7%	±9.6%
		Υ	3.85	65.87	15.19]	150.0]	
	-	Z	3.97	66.65	15.75		150.0]	

Note: For details on UID parameters see Appendix

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

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

^B Linearization parameter uncertainty for maximum specified field strength.

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

EX3DV4 - SN:7803

Parameters of Probe: EX3DV4 - SN:7803

Sensor Model Parameters

	C1	C2	α	T1	T2	T3	T4	T5	T6
	fF	fF	V ⁻¹	msV ^{−2}	msV ^{−1}	ms	V-2	V ⁻¹	
Х	8.9	62.15	31.62	4.69	0.00	4.90	0.66	0.00	1.00
У	10.7	75.43	31.80	6.12	0.00	4.93	0.75	0.00	1.00
Z	9.9	70.63	33.05	3.05	0.00	4.90	0.44	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	21.2°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

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Parameters of Probe: EX3DV4 - SN:7803

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	9.32	9.52	9.69	0.33	1.27	±11.0%
835	41.5	0.90	9.10	9.30	9.46	0.33	1,27	±11.0%
1750	40.1	1.37	7.77	7.94	8.07	0.31	1.27	±11.0%
1900	40.0	1.40	7.55	7.72	7.85	0.31	1.27	±11.0%
2300	39.5	1.67	7.32	7.48	7.61	0.31	1.27	±11.0%
2450	39.2	1.80	7.06	7.22	7.34	0.30	1.27	±11.0%
2600	39.0	1.96	7.10	7.26	7.38	0.30	1.27	±11.0%
5250	35.9	4.71	5.21	5.33	5.42	0.28	1.27	±13.1%
5600	35.5	5.07	4.82	4.92	5.01	0.25	1.27	±13.1%
5750	35.4	5.22	4.79	4.89	4.98	0.25	1.27	±13.1%
5850	35.2	5.32	4.78	4.89	4.97	0.24	1.27	±13.1%

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

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$)

and are valid for TSL with deviations of up to $\pm 10\%$ if SAR correction is applied.

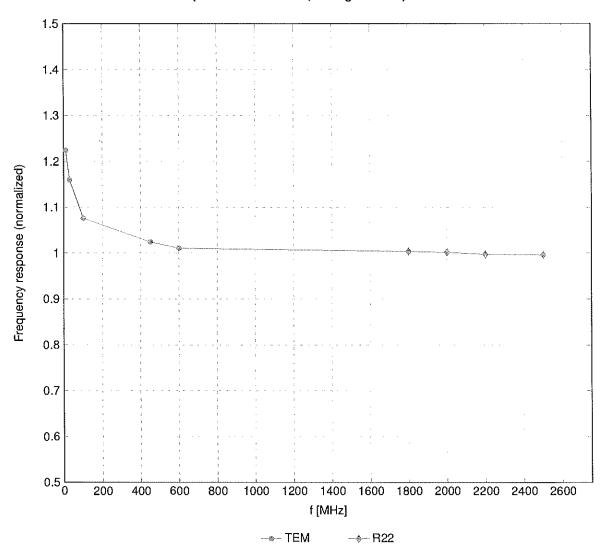
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. Therefore, the uncertainty stated is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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Frequency Response of E-Field

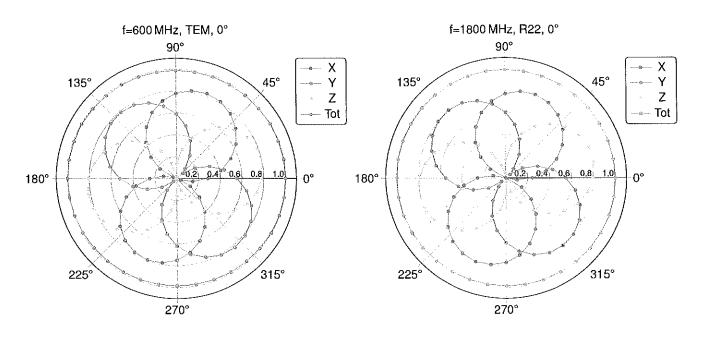
(TEM-Cell:ifi110 EXX, Waveguide:R22)

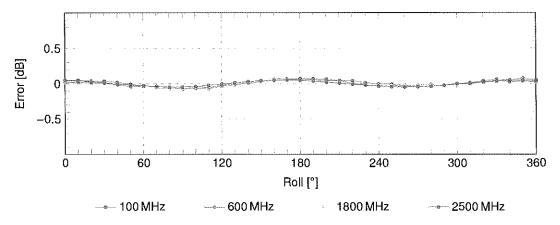


Uncertainty of Frequency Response of E-field: ±6.3% (k=2)

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

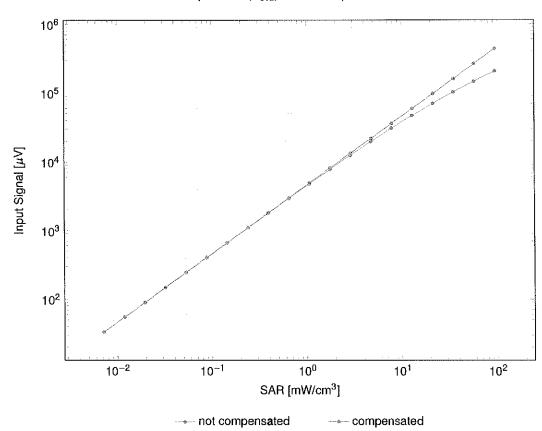


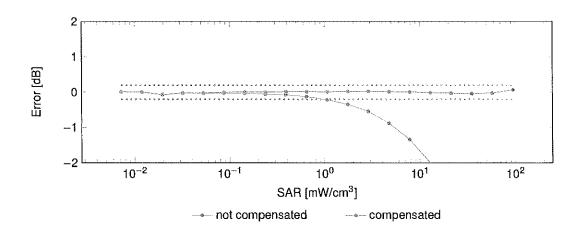


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

$\textbf{Dynamic Range } \textbf{f}(\textbf{SAR}_{\textbf{head}})$

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

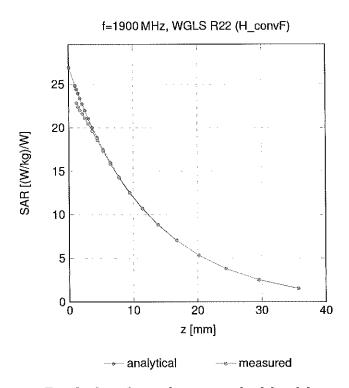




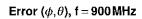
Uncertainty of Linearity Assessment: ±0.6% (k=2)

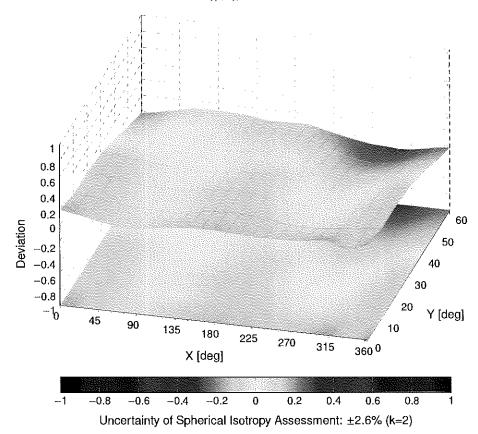
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Conversion Factor Assessment



Deviation from Isotropy in Liquid





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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0.5	1101	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9,6
10013	CAB	IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12,62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4,80	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10020	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10029	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5,30	±9,6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
		IEEE 802,15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10033	CAA		Bluetooth	4.53	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)			
10035	CAA	IEEE 802,15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4,10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9,6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAE	IEEE 802,11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9,6
10063	CAE	IEEE 802,11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802,11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9,09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9,6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAE	IEEE 802,11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9,6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11,00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3,98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10102	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOD	9.97	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108		LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 04-QAM)	LTE-FDD	5,80	±9.6
10108	1	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
		, , , , , , , , , , , , , , , , , , , ,	LTE-FDD		±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)		5.75	
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

THE FOOL CORP. HOLAND, 100K-RE SAME, 64-CAMA)	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
TOTAL CAPT CREFOD (SCPENA) (100; RE, SME, 84-CAM) CAPT	<u> </u>			<u> </u>		
Test	1					
10116 CAE BEE BIOL IN (FIT Geominal, 10 Maye, 16 CAM) W.AN 8.15 19.6						
10117 CAE BEE 802.11 (IT FIRMON. 15.15Mps, BPSR)						
10118 CAR IEEE 002.11 ft TM Mod. 81 Maps, 16-OAM)						
10119 CAR IEEE ROZ. ITH pTT Mood, 28 MORDS, 16-CAM)						
10116 CAE IEFE ROS. IT IN PAT MINED. 15 MINES. 64-CAM)	ļ					
10141 CAP LTE-FDD (SC-FDMA, 100% RB 15MHz, 16-CAM) LTE-FDD (S. 2) 49.6 49.6						
10141 CAP LTE-FDD (SC-FDMA 100% RB, 15MHz, 64-CAM) LTE-FDD 6.52 19.6					6.49	
10142 CAF LTE-FDD (SC-FDMA, 100%, RB, 3MBz, QPSK) LTE-FDD 5,73 49.6						
10141 CAF LTE-FDD (SC-PDMA, 100%, RB, 3MHZ, 16-CAM) LTE-FDD 6.36 19.6 10144 CAF LTE-FDD (SC-PDMA, 100%, RB, 14MHZ, 6-CAM) LTE-FDD 5.78 19.6 10145 CAG LTE-FDD (SC-PDMA, 100%, RB, 14MHZ, 16-CAM) LTE-FDD 5.78 19.6 10147 CAG LTE-FDD (SC-PDMA, 100%, RB, 14MHZ, 16-CAM) LTE-FDD 6.74 19.6 10149 CAG LTE-FDD (SC-PDMA, 100%, RB, 14MHZ, 16-CAM) LTE-FDD 6.72 19.6 10149 CAG LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 6.72 19.6 10159 CAF LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 6.80 19.6 10151 CAH LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 6.80 19.6 10152 CAH LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 9.92 19.6 10153 CAH LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 9.92 19.6 10153 CAH LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 10.65 10155 CAH LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 10.65 10156 CAH LTE-FDD (SC-PDMA, 500%, RB, 20MHZ, 16-CAM) LTE-FDD 10.65 10156 CAH LTE-FDD (SC-PDMA, 500%, RB, 10MHZ, 16-CAM) LTE-FDD 10.65 10156 CAH LTE-FDD (SC-PDMA, 500%, RB, 10MHZ, 16-CAM) LTE-FDD 10.65 10156 CAH LTE-FDD (SC-PDMA, 500%, RB, 10MHZ, 16-CAM) LTE-FDD 6.44 19.6 10157 CAH LTE-FDD (SC-PDMA, 500%, RB, 500%, CPS CPS CPS CPS CPS 19.6 10158 CAH LTE-FDD (SC-PDMA, 500%, RB, 500%, CPS CPS CPS CPS CPS 19.6 10159 CAH LTE-FDD (SC-PDMA, 500%, RB, 500%, CPS CP					5.73	
10145 CAR LTE-FDD (SC-PENA, 100% RB, 3MHz, 64-OAM)		}		LTE-FDD	6.35	±9.6
10146 CAG ITE-FDD (SC-PDMA, 100% RB, 14MHz, 19-CAM)	<u></u>			LTE-FDD	6.65	±9.6
10147 CAG LIFE-FDD (SC-FDMA, 109% RB, 14 MHz, 16-QAM)				LTE-FDD	5.76	±9.6
10149 CAF UFE-PDD (SC-PDMA, 50% RB, 50MHz, 16-CAM)				LTE-FDD	6.41	±9.6
10149 CAF				LTE-FDD	6.72	±9.6
10150 CAF	10149	CAF		LTE-FDD	6.42	±9.6
10151 CAH LTE-TID (SC-FDMA, 50% RB, 20MHz, 6-CAM) LTE-TID 9.22 19.6				LTE-FDD	6.60	±9.6
10152 CAH LTE-TIDD (SC-FDMA, 50% RB, 20MHz, 16-CAM)	L			LTE-TOD	9.28	±9.6
10155 CAH LTE-TID (SC-FDMA, 50% RB, 20MHz, 64-GAM)						
10156 CAH LITE-FDD (SCF-DMA, 50% RB, 10MHz, GPSK) LITE-FDD (SCF-DMA, 50% RB, 5MHz, GPSK) LITE-FDD (SCF-DMA, 50% RB, 15MHz, GPSK) LITE-FDD (SCF-DMA, 50% RB, 14MHz, GPSK) LITE-FDD (SCF-DMA, 18M, 20MHz, GPSK)						
10156 CAH LITE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK) LITE-FDD (SC-FDMA, 50% RB, 15MHz, QPSK) LITE-FDD (SC-FDMA, 15MLz, QPSK) LITE-FDD (SC-FD						
10156 CAH LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QM)	ļ	<u> </u>				
10158 CAH LTE-FDD (SC-FDMA, 50% RB, 50MTz, 64-CAM) LTE-FDD 6.49 4.9.6	<u> </u>					
10158 CAH		1				
10160	10158	CAH		LTE-FDD	6.62	±9.6
10161 CAF	10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6,56	±9.6
10161 CAF	10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-FDD	5.82	±9,6
10166 CAG	10161	CAF	, , , , , , , , , , , , , , , , , , , ,	LTE-FDD	6.43	±9.6
10166 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, GPSK) LTE-FDD 5.46 ±9.6 10167 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 6-CAM) LTE-FDD 6.79 ±9.6 10168 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10169 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10170 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-FDD 6.52 ±9.6 10171 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-FDD 6.49 ±9.6 10172 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-FDD 6.49 ±9.6 10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-TDD 9.21 ±9.6 10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-TDD 9.21 ±9.6 10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-TDD 9.21 ±9.6 10175 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-TDD 9.21 ±9.6 10175 CAH LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 6-CAM) LTE-TDD 10.25 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-FDD 5.72 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, GPSK) LTE-FDD 5.52 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-FDD 5.72 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-FDD 5.72 ±9.6 10179 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10183 CAF LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10183 CAF LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10183 CAF LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10183 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 6-CAM) LTE-FDD 5.73 ±9.6 10183 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 6-CAM) LTE-FDD 5.73	10162	CAF		LTE-FDD	6.58	±9,6
10167 CAG LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-CAM) LTE-FDD 6.21 ±9.6	10166	CAG		LTE-FDD	5.46	±9.6
10168 CAG LTE-FDD (SC-FDMA, 18B, 20 MHz, 04-CAM) LTE-FDD 6.79 ±9.6 10169 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-CAM) LTE-FDD 6.52 ±9.6 10170 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-CAM) LTE-FDD 6.52 ±9.6 10171 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-CAM) LTE-FDD 6.49 ±9.6 10172 CAH LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-CAM) LTE-FDD 9.21 ±9.6 10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 04-CAM) LTE-TDD 9.21 ±9.6 10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 04-CAM) LTE-TDD 9.21 ±9.6 10175 CAH LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 04-CAM) LTE-TDD 10.25 ±9.6 10175 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 04-CAM) LTE-TDD 10.25 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 04-CAM) LTE-FDD 5.72 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10179 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-CAM) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-CAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-CAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-CAM) LTE-FDD 5.72 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10183 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10183 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10183 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10183 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10183 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10183 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 04-CAM) LTE-FDD 5.73 ±9.6 10183 CAE LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-CAM)	10167	CAG	, , , , , , , , , , , , , , , , , , ,	LTE-FDD	6.21	±9.6
10169 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.73 ±9.6 10170 CAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-CAM) LTE-FDD 6.52 ±9.6 10171 AAF LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 20 K-ACM) LTE-FDD 6.49 ±9.6 10172 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 20 K-ACM) LTE-TDD 9.21 ±9.6 10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-CAM) LTE-TDD 9.48 ±9.6 10173 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-CAM) LTE-TDD 9.48 ±9.6 10174 CAH LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-CAM) LTE-TDD 10.25 ±9.6 10175 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-CAM) LTE-FDD 5.72 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-CAM) LTE-FDD 5.72 ±9.6 10177 CAJ LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-FDD 5.73 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-FDD 5.73 ±9.6 10179 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-FDD 6.52 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-CAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-CAM) LTE-FDD 6.50 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 20-SK) LTE-FDD 5.72 ±9.6 10183 AAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 20-SK) LTE-FDD 5.72 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 20-SK) LTE-FDD 6.50 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 20-SK) LTE-FDD 6.50 ±9.6 10186 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 20-SK) LTE-FDD 6.50 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 20-SK) LTE-FDD 6.50 ±9.6 10186 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 20-SK) LTE-FDD 6.50 ±9.6 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 20-SK) LTE-FDD 6.50 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 6-CAM) LTE-FDD 6.50 ±9.6 10189 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 6-CAM) LTE-FDD 6.50 ±9.6 10189 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz,	10168	CAG	, , , , , , , , , , , , , , , , , , , ,	LTE-FDD	6.79	±9.6
10170 CAF	10169	CAF		LTE-FDD	5.73	±9.6
10172 CAH	10170	CAF		LTE-FDD	6,52	±9.6
10173 CAH	10171	AAF		LTE-FDD	6.49	±9.6
10174 CAH LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM) LTE-FDD 10.25 ±9.6 10175 CAH LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK) LTE-FDD 5.72 ±9.6 10176 CAH LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK) LTE-FDD 6.52 ±9.6 10177 CAJ LTE-FDD (SC-FDMA, 1 RB, 50MHz, QPSK) LTE-FDD 5.73 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 50MHz, QPSK) LTE-FDD 6.52 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 50MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10179 CAH LTE-FDD (SC-FDMA, 1 RB, 50MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 50MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 50MHz, QPSK) LTE-FDD 5.72 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK) LTE-FDD 6.52 ±9.6 10183 CAF LTE-FDD (SC-FDMA, 1 RB, 15MHz, G4-QAM) LTE-FDD 6.52 ±9.6 10183 CAF LTE-FDD (SC-FDMA, 1 RB, 15MHz, G4-QAM) LTE-FDD 6.52 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 15MHz, G4-QAM) LTE-FDD 6.52 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3MHz, G4-QAM) LTE-FDD 6.51 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 3MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 3MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10189 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10189 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10189 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, G4-QAM) LTE-FDD 6.50 ±9.6 10189 CAE LEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.12 ±9.6 10195 CAE LEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.12 ±9.6 10195 CAE LEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.27 ±9.6 10195 CAE LEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10195 CAE LEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.06 ±9.6 10220	10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10175	10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9,48	±9.6
10176	10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10177 CAJ LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.73 ±9.6 10178 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10179 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 5.72 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10183 AAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 6.50 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 6.51 ±9.6 10186 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GA-QAM) LTE-FDD 6.51 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 3 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK) LTE-FDD 6.50 ±9.6 10189 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK) LTE-FDD 6.50 ±9.6 10189 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10193 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10193 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10193 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10194 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10195 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10196 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10197 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10198 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD 6.50 ±9.6 10199 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD GAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GA-QAM) LTE-FDD GAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10178 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10179 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 16 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 5.72 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10183 AAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 2 QPSK) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.50 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 5.73 ±9.6 10189 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.50 ±9.6 10189 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.50 ±9.6 10193 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10194 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10195 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10196 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10197 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10198 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10199 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10199 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10199 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10190 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) WLAN 8.13 ±9.6 10191 CAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) WLAN 8.27 ±9.6 10192 CAE LTE-FDD (SC-FDMA, 1 RB, 1.6 CAM) WLAN 8.03 ±9.6 1	10176	CAH	LTE-FDD (SC-FDMA, 1 R8, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179 CAH LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10180 CAH LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10181 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 6.52 ±9.6 10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10183 AAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.51 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK) LTE-FDD 6.50 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 65-Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 65-Mbps, BPSK) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 65-Mbps, BPSK) WLAN 8.12 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.11 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.13 ±9.6 1020 CAE IEEE 802.11n (HT Mixed, 65-Mbps, BPSK) WLAN 8.13 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 65-Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43-Mbps, 16-QAM) WLAN 8.13 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 43-Mbps, 16-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 45-Mbps, BPSK) WLAN 8.06 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 45-Mbps, BPSK) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 45-Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 90-Mbps, 16-QAM) WLAN 8.48 ±9.6 10223 CAE IEEE 802.11n (HT Mix	10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10180 CAH LTE-FDD SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 5.72	10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10181 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.72	10179	CAH		LTE-FDD	6,50	±9.6
10182 CAF LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10183 AAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.52 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.11 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10210 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.13 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.13 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 55 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 55 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 55 Mbps, 64-QAM) WLAN 8.27 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 55 Mbps, 64-QAM) WLAN 8.27 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 55 Mbps, 64-QAM) WLAN 8.48 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 10224 CAE IEEE 802.1	10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9,6
10183 AAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE LEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE LEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE LEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE LEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE LEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE LEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.27 ±9.6 1020 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.27 ±9.6 10210 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10222 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 64-QAM) WLAN 8.13 ±9.6 10222 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 64-QAM) WLAN 8.13 ±9.6 10222 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 64-QAM) WLAN 8.13 ±9.6 10222 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 64-QAM) WLAN 8.27 ±9.6 10223 CAE LEEE 802.11n (HT Mixed, 43.3 Mbps, 64-QAM) WLAN 8.27 ±9.6 10223 CAE LEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 10223 CAE LEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 10223 CAE LEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 10224 CAE LEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6 10225	10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 99 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM) WLAN 8.13 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03	10182	CAF		LTE-FDD	6.52	±9.6
10184 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ±9.6 10185 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ±9.6 10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 99 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM) WLAN 8.13 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03	10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9,6
10186 AAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, 64-QAM) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 7.	10184	CAF		LTE-FDD	5.73	±9.6
10187 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ±9.6 10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, 64-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 </td <td>10185</td> <td>CAF</td> <td>LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)</td> <td>LTE-FDD</td> <td>6.51</td> <td>±9.6</td>	10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10188 CAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ±9.6 10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 <td>10186</td> <td>AAF</td> <td>LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)</td> <td>LTE-FDD</td> <td>6.50</td> <td>±9.6</td>	10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10189 AAG LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ±9.6 10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps,	10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10193 CAE IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ±9.6 10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10194 CAE IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ±9.6 10195 CAE IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.03 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10195 CAE IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ±9.6 10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10196 CAE IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ±9.6 10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10197 CAE IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ±9.6 10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10198 CAE IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ±9.6 10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10219 CAE IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) WLAN 8.03 ±9.6 10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9,6
10220 CAE IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) WLAN 8.13 ±9.6 10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10221 CAE IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) WLAN 8.27 ±9.6 10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10222 CAE IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) WLAN 8.06 ±9.6 10223 CAE IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) WLAN 8.48 ±9.6	10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8,13	±9.6
10223 CAE IEEE 802.11n (HT Mixed, 90 Mops, 16-QAM) WLAN 8.48 ±9.6		CAE			8.27	±9.6
	10222	CAE	IEEE 802,11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10224 CAE IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) WLAN 8.08 ±9.6	10223	CAE			8.48	±9.6
<u> </u>	10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

June 28, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5,97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9,49	±9,6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9,22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9,6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9,6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10,25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9,86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TOD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TDD	10,09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TOD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9,24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256 10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD LTE-TDD	9,34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QFSK)	LTE-TDD	9,34	±9.6 ±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TOD	9,83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10,07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TOD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3,96	±9.6
10277	CAA	PHS (QPSK)	PHS	11,81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3,91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 C TRL symbols)	WIMAX	12.57 12.52	±9.6 ±9.6
10303	AAA	IEEE 802.166 WIMAX (31:15, 5 ms, 10 MHz, 64QAM, POSC)	WIMAX	11,86	±9.6 ±9.6
10304	AAA	IEEE 802.166 WIMAX (29.16, 5118, 10 MHz, 64QAM, PUSC)	WiMAX	15.24	±9.6
10303	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	±9.6
1.0000	1 1201		1400000	1 14.01	1 10.0

Group PAR (dB) PAR (dB)	Unc ^E <i>k</i> = 2
1939 AAA EEE 802.15 to WIMAX (2915.1 Ones, 10MHz. EGOAM, PUSC) WIMAX 14.45	±9.6
1939 AAA IEEE 802.15e WMAX (2013; 10ms; 10MHz, 10PSK, MMC 2c3, 18 symbols)	±9.6
MAAN IEEE 802.16 WIMAX (201-15, 10ms; 10MHz, OPSK, AMC 223, 18 symbols) WIMAX 14.57	±9,6
ASE IT-E-FD (SC-FDMA, 100% RB, 16MHz, QPSK)	±9,6
19314 AAA DEN 1:3 DEN 1:3 DEN 13.5 DEN 13.5 DEN 13.5 DEN 13.6 DEN 13	±9.6
19315 AAA IDEN 15	
19315 AAB	±9.6
19315 AAB	±9.6
10352 AAA Pulse Waveform (2001z, 10%) Generic 10.00	±9.6
10352 AAA Pulse Waveform (2001tz, 10%) Generic 10.00	<u>+</u> 9.6
19353 AAA Pulse Waveform (200Hz, 20%) Generic 3.98 19355 AAA Pulse Waveform (200Hz, 40%) Generic 3.98 19355 AAA Pulse Waveform (200Hz, 40%) Generic 2.22 19356 AAA Pulse Waveform (200Hz, 80%) Generic 2.22 19356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 19387 AAA OPSK Waveform, 100Hz Generic 5.10 19388 AAA OPSK Waveform, 100Hz Generic 5.10 19388 AAA OPSK Waveform, 100Hz Generic 5.22 19399 AAA GPSK Waveform, 100Hz Generic 5.27 19399 AAA GA-QAM Waveform, 100Hz Generic 5.27 19400 AAF IEEE 802.11ac Wiff (60 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 19401 AAF IEEE 802.11ac Wiff (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.50 19403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 19404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 19404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 19414 AAA LITE-TID (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe Conf-4) LITE-TID (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe Conf-4) LITE-TID (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe WLAN 8.23 19417 AAD IEEE 802.11ar Wiff (1x GHz, ICR) Generic 8.54 19418 AAA IEEE 802.11ar Wiff (1x GHz, ICR) Generic 8.54 19419 AAA IEEE 802.11ar Wiff (1x GHz, ICR) Generic 8.54 19419 AAA IEEE 802.11ar Wiff (1x GHz, ICR) Generic 8.54 19419 AAA IEEE 802.11ar Wiff (1x GHz, ICR) Generic 8.54 19419 AAA IEEE 802.11ar Wiff (1x GHz, ICR) Generic 8.54 19410 AAA IEEE 802.11ar Wiff (1x GHz, ICR) Generic Generic 8.54 19410 AAA IEEE 802.11ar Wiff (1x GHz, ICR) Generic Generic Generic 8.54 19410 AAA IE	±9.6
19355 AAA Pulse Waveform (2001z, 40%) Generic 2.22 19356 AAA Pulse Waveform (2001z, 60%) Generic 2.22 19356 AAA Pulse Waveform (2001z, 60%) Generic 0.97 19387 AAA OPSK Waveform, 10M1z Generic 5.10 19388 AAA OPSK Waveform, 10M1z Generic 5.22 19398 AAA OPSK Waveform, 10M1z Generic 5.22 19399 AAA 64-QAM Waveform, 10M1z Generic 6.27 19400 AAF IEEE 802.11ac WIFI (20M1z, 64-QAM), 99pc duty cycle) WLAN 8.37 19401 AAF IEEE 802.11ac WIFI (20M1z, 64-QAM), 99pc duty cycle) WLAN 8.60 19402 AAF IEEE 802.11ac WIFI (80 M1z, 64-QAM), 99pc duty cycle) WLAN 8.50 19403 AAF IEEE 802.11ac WIFI (80 M1z, 64-QAM), 99pc duty cycle) WLAN 8.51 19404 AAB CDMA2000 (1xEV-DC, Rev. 0) CDMA2000 3.76 19404 AAB CDMA2000 (1xEV-DC, Rev. A) CDMA2000 3.77 19409 AAB CDMA2000, RC3, SO32, SCHO, Full Rate CDMA2000, RC3, SO32, SCHO, Full Rate CDMA2000 3.76 19414 AAA CDMA2000, RC3, SO32, SCHO, Full Rate CDMA2000, RC3, SCHO,	±9.6
10355 AAA Pulse Waveform (200Hz, 60%) Generic 0.97	±9.6
10356 AAA Pulse Waveform (200Hz, 80%) Generic 0.97 10387 AAA OPSK Waveform, 10MHz Generic 5.12 10398 AAA OPSK Waveform, 10MHz Generic 5.22 10399 AAA 04-QAM Waveform, 10MHz Generic 6.27 10400 AAF IEEE 802.11sc WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.07 10401 AAF IEEE 802.11sc WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.07 10402 AAF IEEE 802.11sc WiFi (20MHz, 64-QAM, 99pc duty cycle) WLAN 8.06 10402 AAF IEEE 802.11sc WiFi (80MHz, 64-QAM, 99pc duty cycle) WLAN 8.07 10403 AAB IEEE 802.11sc WiFi (90MHz, 64-QAM, 99pc duty cycle) WLAN 8.08 10403 AAB IEEE 802.11sc WiFi (90MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB IEEE 802.11sc WiFi (90MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10404 AAB CDMA2000 (1xEV-DC, Rev. 0) CDMA2000 3.77 10406 AAB CDMA2000 (1xEV-DC, Rev. A) CDMA2000 3.77 10406 AAB CDMA2000 (1xEV-DC, Rev. A) CDMA2000 3.77 10401 AAH ILET-ITD (SC-FOMA, 1 RB, 10MHz, QPSK, UL Subframe-2.3.4,7.8,9, Subframe Conf4) ILET-IDD (5-7,82 10410 AAH ILET-IDD (5-7,60 ACK A	±9.6
10387 AAA QPSK Waveform, 1 MHz Generic 5.10	±9.6
10388 AAA QPSK Waveform, 10 MHz Generic 5.22 10398 AAA 64-QAM Waveform, 100 kHz Generic 6.27 10400 AAF IEEE 802.11ac WiFI (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAF IEEE 802.11ac WiFI (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.60 10402 AAF IEEE 802.11ac WiFI (80 MHz, 64-QAM, 99pc duty cycle) WLAN 8.53 10403 AAB CDMA2000 (1xeV-DO, Rev. 0) CDMA2000 3.76 10404 AAB CDMA2000 (1xeV-DO, Rev. 0) CDMA2000 3.77 10406 AAB CDMA2000 (1xeV-DO, Rev. 0) CDMA2000 3.77 10407 AAB CDMA2000 (1xeV-DO, Rev. 0) CDMA2000 3.77 10408 AAB CDMA2000 (1xeV-DO, Rev. 0) CDMA2000 5.22 10410 AAH LTE-TDD (5cF-DMA, 1 RB 1.0 MHz, QPSK, UL Subframe-2,3.4,7.8.9, subframe Conf-4) T-TDD 7.32 10411 AAA LTE-TDD (5cF-DMA, 1 RB 1.0 MHz, QPSK, UL Subframe-2,3.4,7.8.9, subframe Conf-4) WLAN 1.54 10415 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10417 AAD IEEE 802.11b WiFI 2.4 GHz (DSSS, OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAD IEEE 802.11b WiFI 2.4 GHz (DSSS, OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10419 AAA IEEE 802.11b WiFI 2.4 GHz (DSSS, OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11b (HT Greenfield, 7.2 Mbps, 8PSK) WLAN 8.14 10429 AAD IEEE 802.11b (HT Greenfield, 7.2 Mbps, 8PSK) WLAN 8.40 10422 AAD IEEE 802.11b (HT Greenfield, 7.2 Mbps, 6PGAM) WLAN 8.41 10423 AAD IEEE 802.11b (HT Greenfield, 8.3 Mbps, 16-QAM) WLAN 8.41 10424 AAD IEEE 802.11b (HT Greenfield, 9.0 Mbps, 16-QAM) WLAN 8.41 10425 AAD IEEE 802.11b (HT Greenfield, 9.0 Mbps, 6PGAM) WLAN 8.41 10426 AAD IEEE 802.11b (HT Greenfield, 9.0 Mbps, 6PGAM) WLAN 8.41 10427 AAD IEEE 802.11b (HT Greenfield, 9.0 Mbps, 6PGAM) WLAN 8.41 10428 AAD IEEE 8	±9.6
10399 AAA 64-QAM Wavetorm, 400 Hz Generic 6.27 10399 AAA 64-QAM Wavetorm, 400 Hz Generic 6.27 10400 AAF IEEE 802.11ac WiFI (20 MHz, 64-QAM, 99pc duty cycle) WLAN 8.37 10401 AAF IEEE 802.11ac WiFI (40 MHz, 64-QAM, 99pc duty cycle) WLAN 8.00 10402 AAF IEEE 802.11ac WiFI (60 MHz, 64-QAM, 99pc duty cycle) WLAN 8.01 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 CDMA2000 3.76 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.76 10405 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.76 10406 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.76 10410 AAH LITE-TDD (5C-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3.4.7.8,9, Subframe Cont-4) LITE-TDD 7.32 10410 AAH LITE-TDD (5C-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3.4.7.8,9, Subframe Cont-4) LITE-TDD 7.32 10411 AAA IEEE 802.11b WiFI 2 4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10415 AAA IEEE 802.11b WiFI 2 4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11b WiFI 2 4 GHz (DSSS, 5FDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAD IEEE 802.11b WiFI 2 4 GHz (DSSS-5FDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFI 2 4 GHz (DSSS-5FDM, 6 Mbps, 99pc duty cycle, Chang preambule) WLAN 8.14 10429 AAD IEEE 802.11g WiFI 2 4 GHz (DSSS-5FDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.14 10429 AAD IEEE 802.11g WiFI 2 4 GHz (DSSS-5FDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.14 10429 AAD IEEE 802.11g WiFI 2 4 GHz (DSSS-5FDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10420 AAD IEEE 802.11g WiFI 2 4 GHz (DSSS-5FDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.40 10420 AAD IEEE 802.11g (WIFI C 4 GHz (DSSS-5FDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.41 10421 AAD IEEE 802.11g (HT Greenfield, 7.2 Mbps, 8PSK) WLAN 8.41 10422 AAD IEEE 802.11g (HT GREENFIELD, 7.2 Mbps, 8PSK) WLAN 8.41 10423 AAD IEEE 802	±9.6
10399	±9.6
10400	±9.6
10400 AAF	±9.6
10401	±9.6
10402	±9.6
10403	±9.6
10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 3.77 10406 AAB CDMA2000, RC3, SO32, SCH0, Full Rate CDMA2000, RC3, SO32, SCH0, RC3, RC3, RC3, RC3, RC3, RC3, RC3, RC3	±9.6
10410	±9.6
10410	±9.6
10414 AAA MLAN CODF, 64-QAM, 40 MHz Generic 8.54 10415 AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 1.54 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAD IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 10424 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.40 10425 AAD IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 16-QAM) WLAN 8.45 10427 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 16-QAM) WLAN 8.45 10428 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10429 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10421 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10432 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 10431 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10450 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) LTE-FDD 7.58 10452 AAB UTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.58 10453 AA	±9.6
10415	±9.6
10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDIN, 6 Mbps, 99pc duty cycle) WLAN 8.23 10417 AAD IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.19 10422 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 10424 AAD IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.40 10425 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 10426 AAD IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAD IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAD IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 10432 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 10433 AAD LTE-FDD (OFDMA, 18 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.56 10448 AAE LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10450 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) LTE-FDD 7.56 10453 AAE LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.58 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) LTE-FDD 7.58 10453	
10417 AAD IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 10418 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 10419 AAA IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 10422 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 10423 AAD IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.47 10424 AAD IEEE 802.11n (HT Greenfield, 15.2 Mbps, 64-QAM) WLAN 8.40 10425 AAD IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAD IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 10426 AAD IEEE 802.11n (HT Greenfield, 15 Mbps, 84-QAM) WLAN 8.45 10427 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AA	±9,6
10418 AAA	±9.6
10419 AAA	±9.6
10422 AAD IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	±9,6
10423 AAD	±9.6
10424 AAD	±9.6
10425 AAD	±9.6
10426 AAD IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) WLAN 8.45 10427 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 10432 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.82 10447 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.59	±9.6
10427 AAD IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10433 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (85 Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.52 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.59 10451 AAB W-CDMA (85 Test Model 1, 64 DPCH, Clipping 44%) LTE-FDD 7.88 <tr< td=""><td>±9.6</td></tr<>	±9.6
10430 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD 8.28 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10433 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD 7.52 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) LTE-FDD 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 <td< td=""><td>±9.6</td></td<>	±9.6
10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10433 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10450 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) LTE-FDD 7.48 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63	±9.6
10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 10433 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 <td< td=""><td>±9.6</td></td<>	±9.6
10433 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55	±9.6
10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10469 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 </td <td>±9.6</td>	±9.6
10435 AAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 <td< td=""><td>±9.6</td></td<>	±9.6
10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	±9.6
10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56	±9.6
10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82<	±9.6
10449 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) LTE-FDD 7.51 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82<	±9.6
10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10456 AAD IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) WLAN 8.63 10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10457 AAB UMTS-FDD (DC-HSDPA) WCDMA 6.62 10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10458 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10459 AAA CDMA2000 (1xEV-DO, Rev. B, 3 carriers) CDMA2000 8.25 10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10460 AAB UMTS-FDD (WCDMA, AMR) WCDMA 2.39 10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10461 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82 10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10462 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.30 10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10463 AAC LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56 10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10464 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	
	±9.6
	±9.6
	±9.6
10466 AAD LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.57	±9.6
10467 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10468 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.32	±9,6
10469 AAG LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.56	±9.6
10470 AAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD 7.82	±9.6
10471 AAG LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD 8.32	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9,6
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9,6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9,6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9,6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9,6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52 7.72	±9.6 ±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9,6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9,6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802,11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8,27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8,36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.36 8.43	±9.6 ±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802,11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802,11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8,45	±9.6
10536	AAD	IEEE 802,11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8,32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 95pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFI (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6
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105	Day.	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
UID 10541	Rev AAD	Communication System Name IEEE 802,11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9,6
10541	AAD	IEEE 802,11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8,65	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8,65	±9.6
10543	AAD	IEEE 802,11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802,11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8,55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8,35	±9,6
10547	AAD	IEEE 802,11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802,11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8,50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8,61	±9.6
10560	AAE	IEEE 802,11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9,6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802,11g WiFi 2,4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1,99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9,6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802,11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8,59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8,70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590 10591	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN WLAN	8.67	±9.6
10591	AAD	IEEE 802,11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79 8.64	±9.6 ±9.6
10593	AAD	IEEE 802.111 (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10590	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCSS, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9,6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8,76	±9.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9,6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
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10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8,78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802,11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77 8.94	±9.6 ±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN		±9.6
10614	AAD	IEEE 802,11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6 ±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN		
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8,72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8,74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802,11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8,79	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAE	IEEE 802.11ac WIFI (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9,6
10645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9,11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9,6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced) LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	CDMA2000 LTE-TDD	3.45	±9.6 ±9.6
10652 10653	AAF	LTE-TDD (OFDMA, 3 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91 7.42	±9.6
10654 10655	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD LTE-TDD	6.96 7.21	±9.6 ±9.6
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10658 10659	AAB	Pulse Waveform (200Hz, 10%) Pulse Waveform (200Hz, 20%)	Test Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
	AAB	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Test	2,22	±9.6
10661	AAB	Pulse Waveform (200Hz, 80%) Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2,19	±9.6
10670	AAC	IEEE 802,11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10671		IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8,57	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, sope duty cycle)	WLAN	8.78	±9.6
10673	· [IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN		
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74 8.90	±9.6 ±9.6
10675	AAC	IEEE 802,11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802,11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10679	AAC	IEEE 802,11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	±9.6
10681	AAC	IEEE 802,11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8,62	±9.6
10682	AAC	IEEE 802,11ax (20 MHz, MCS10, 30pc duty cycle)	WLAN	8,83	±9.6
10683	AAC	IEEE 802,11ax (20 MHz, MCS) 11, 30pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802,11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802,11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.33	±9.6
10686		IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6
10000	TVVO	ן ובבב סטב. רומג (בטואו ובן ואוססט, פפרט duty Gyole)	AAFUSA	0.20	E3.0

LIID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
UID 10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802,11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802,11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9,6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9,6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8,86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8,82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8,32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9,6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9,6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802,11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802,11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8,55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8,74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8,72	±9.6
10727	AAC	IEEE 802,11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN WLAN	8.64	±9.6 ±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.67 8.42	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802,11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8,27	±9.6
10737	AAC	IEEE 802,11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8,36	±9.6
10738	AAC	IEEE 802,11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802,11ax (80 MHz, MCS8; 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8,93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9,6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8,90	±9.6
	1				
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8,79	±9.6
10750 10751 10752		IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN	8.79 8.82	±9.6 ±9.6

19775 ACC EEE BIOL 11st (1904 Met. MCS1), 00pc duty cycle)	Cup I	Dav.	Communication Custom Name	Group	PAR (dB)	Unc ^E k = 2
1975 ACC EEE 802.11xx (1900MHz, MCST), 89pc duty cycle)	UID	Rev	Communication System Name	.		
1975 ACC EEE Bild 160 (Mark MCSS), Spine day cycle)						
1978 ACC EEE BOLT Int (1900 MHz, MCS1) splic duty cycle)						
1978 ACC EEE 80 21 tot (100 Mitz, MCSS, 990 cduty cycle)						
10758 AAC EEE 802.11xx (100MHz, MCSS, 990c duty oyele)					8,77	±9.6
10769 AAC EEE 802.11xx (100MHz, MCSS, 99pc duby cycle)	1					
1976 ACC EEE ROZ TIAK (IDRAMEL MCSS, 1990 EURY york) WILAN 8.49 4.9.6 19.0 19					8.58	±9.6
1976 ACC EEE RIZ 11xx (SOMM:L. MCSS, 990c duty yould)					8.49	±9.6
10768 AAC IEEE 80211x (100MHz, MCS8, 990c duly cycle)					8.58	±9.6
10768	L			WLAN	8.49	±9.6
10766 AAC IEEE 802.11xx (160 MHz, MCS9, 89po duly cycle)				WLAN	8.53	±9.6
10766 AAC IEEE 802.11ax (160MHz, MCS10, 39pc duty cycle)	i			WLAN	8.54	±9,6
10766 ACC IEEE 802.11ax (160 MHz, WCS11, 99pc duty cycle)		AAC		WLAN	8.54	±9.6
16786 AAE SG NR (CP-OFDM, 1 PB, 15MHz, OPSK, 158Hz) SG NR PRI TDD 8.91 4.9.6	10766	AAC		WLAN	8,51	±9.6
10776 AAD SG NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15SHz) SG NR FR1 TDD 8.02 4.9.6	10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9,6
10777 AAE SG NR (IO-POFDM, 1 RR 2.0MHz, OPSK, 158Hz) SG NR FRI TOD 8.02 4.9.6	10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,01	±9.6
10777 AAD GG NR (CP-OFDM, 1 RB, 25MHz, CPSK, 15MHz) SG NR FRI TDD 8.02 4.9.6	10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10772 AAE GG NR (CP-OEDM, 1 RB, 30 MHz, CPSK, 154Hz)	10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10773 AAF G NR (CP-OFDM, 1 RB, 40 MHz, CPSK, 154Hz)	10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10776 AAE SG NR (CP-OFDM, 19% RB, 5MHz, QPSK, 15Hz) SG NR FRI TDD 8.02 ±9.6 10776 AAE SG NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15Hz) SG NR FRI TDD 8.30 ±9.6 10777 AAC SG NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15Hz) SG NR FRI TDD 8.30 ±9.6 10777 AAC SG NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15Hz) SG NR FRI TDD 8.30 ±9.6 10777 AAC SG NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15Hz) SG NR FRI TDD 8.34 ±9.6 10779 AAC SG NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15Hz) SG NR FRI TDD 8.42 ±9.6 10779 AAC SG NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15Hz) SG NR FRI TDD 8.42 ±9.6 10780 AAE SG NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15Hz) SG NR FRI TDD 8.42 ±9.6 10781 AAF SG NR (CP-OFDM, 50% RB, 26MHz, QPSK, 15Hz) SG NR FRI TDD 8.43 ±9.6 10781 AAF SG NR (CP-OFDM, 50% RB, 26MHz, QPSK, 15Hz) SG NR FRI TDD 8.43 ±9.6 10783 AAG SG NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15Hz) SG NR FRI TDD 8.43 ±9.6 10783 AAG SG NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15Hz) SG NR FRI TDD 8.43 ±9.6 10783 AAG SG NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15Hz) SG NR FRI TDD 8.43 ±9.6 10784 AAE SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15Hz) SG NR FRI TDD 8.40 ±9.6 10786 AAD SG NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15Hz) SG NR FRI TDD 8.40 ±9.6 10786 AAD SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15Hz) SG NR FRI TDD 8.40 ±9.6 10786 AAE SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15Hz) SG NR FRI TDD 8.40 ±9.6 10786 AAE SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15Hz) SG NR FRI TDD 8.40 ±9.6 10786 AAE SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15Hz) SG NR FRI TDD 8.39 ±9.6 10789 AAE SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15Hz) SG NR FRI TDD 8.39 ±9.6 10789 AAE SG NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30Hz) SG NR FRI TDD 8.39 ±9.6 10789 AAE SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30Hz) SG NR FRI TDD 7.99 ±9.6 10789 AAE SG NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30Hz) SG NR FRI TDD 7.8	10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10776 AAF SG NR (CP-OFDM, 50% RB, 50MHz, OPSK, 15kHz) SG NR FRI TDD 8.30 19.5	10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10776 AAE SG NR (CP-OFDM, 50% RB, 15MHz, OPSK, 15MHz) SG NR FRI TDD 8.30 ±9.6	10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
19777 AAC SG NRI (CP-OFDM, 50% RB, 15MHz, QPSK, 15Hz) SG NR FRI TDD 8.30 ±9.6	10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10779 AAE 5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15kHz) 5G NR FR1 TDD 8.34 ±9.6	10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
107780 AAC 5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10780 AAE SG NR (CP-OFDM, 50% RB, 90 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.38 ±9.6 10781 AAF SG NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.31 ±9.6 10783 AAG SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.31 ±9.6 10783 AAG SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.31 ±9.6 10784 AAE SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.29 ±9.6 10785 AAD SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.40 ±9.6 10786 AAD SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.40 ±9.6 10787 AAO SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.44 ±9.6 10788 AAE SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.44 ±9.6 10789 AAE SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.44 ±9.6 10789 AAE SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.39 ±9.6 10789 AAE SG NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.37 ±9.6 10790 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.39 ±9.6 10791 AAG SG NR (CP-OFDM, 18, 40 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.39 ±9.6 10793 AAD SG NR (CP-OFDM, 18, 50 MHz, QPSK, 15 Hz) SG NR FR1 TDD 8.39 ±9.6 10794 AAE SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.92 ±9.6 10795 AAD SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.92 ±9.6 10796 AAE SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.92 ±9.6 10797 AAF SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.92 ±9.6 10798 AAE SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.92 ±9.6 10799 AAF SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.92 ±9.6 10799 AAF SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 Hz) SG NR FR1 TDD 7.93 ±9.6 10799 A	10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10781 AAF SG NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 KHz) SG NR FR1 TDD 8.38 ±9.6	10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10782	10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,38	±9.6
10783 AAG SG NR (CP-OFDM, 109%, RB, 5MHz, QPSK, 15kHz) SG NR FR1 TDD 8.31 ±9.6	10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	
10784 AAE SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) SG NR FR1 TDD 8.29 ±9.8	10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10785 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ±9.8	10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10786 AAE 5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	10784	AAE.	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10787 AAD 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FR1 TDD 8.44 ±9.6 10788 AAE 5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FR1 TDD 8.39 ±9.6 10790 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FR1 TDD 8.37 ±9.6 10791 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FR1 TDD 8.39 ±9.6 10791 AAE 5G NR (CP-OFDM, 180, 50MHz, QPSK, 15kHz) 5G NR FR1 TDD 7.83 ±9.6 10791 AAE 5G NR (CP-OFDM, 188, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.92 ±9.6 10793 AAD 5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.92 ±9.6 10794 AAE 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.95 ±9.6 10795 AAE 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAE 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9.6 10797 AAF 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9.6 10798 AAE 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9.6 10799 AAF 5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9.6 10799 AAF 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAF 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9.6 10800 AAF 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9.6 10801 AAF 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9.6 10803 AAF 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9.6 10803 AAF 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9.6 10803 AAF 5G NR (CP-OFDM, 50% RB, 16MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.93 ±9.6 10804 AAF 5G NR (CP-OFDM, 50% RB, 16MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9.6 10805 AAE 5G NR (CP-OFDM, 50% RB, 16MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAF 5G NR (CP-OFDM, 50% RB, 50MHz, QPS	10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)			
10788 AAE 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz) 5G NR FRI TDD 8.39 ±9.6	L	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)		8.35	
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10827 AAF 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9.6			, , , , , , , , , , , , , , , , , , , ,			
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TIVOSO FANE FOCINA (OF "OF DIVINITO") O AUTO AND SOLIVITIES WE ON SOLIVITIES AND	10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

1982 AAF SO NR (CP-OFDM, 1994, BIS, 1994, CPSK, 5014-2) SO NR FRI TIOD 7.43 9.98	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
1982 ADD SA NH CIPC-POINT, I RE, 1984FC, GPSK, 60H40 SO NN FRH TIDD 7.74 19.8 1			•	5G NR FR1 TDD	8.40	±9.6
MASS AAD SO NR (PC-POPM, 1 BR, 2044C, QPSK, 6004H2 SO NR FRH TIDD 7.70 49.6	10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
16987 AAD 66 NR (CP-CPEM, 188, 30Hz, CPSK, 60Hz) 56 NR FRI TOD 7.70 1.98, 1988 AAF 66 NR (CP-CPEM, 188, 30Hz, CPSK, 60Hz) 56 NR FRI TOD 7.70 1.98, 1988 AAF 66 NR (CP-CPEM, 188, 30Hz, CPSK, 60Hz) 56 NR FRI TOD 7.70 1.98, 1988 AAF 66 NR (CP-CPEM, 188, 50Hz, CPSK, 60Hz) 56 NR FRI TOD 7.70 1.98, 1988 AAF 66 NR (CP-CPEM, 188, 60Hz, CPSK, 60Hz) 56 NR FRI TOD 7.70 1.98, 1988 AAF 66 NR (CP-CPEM, 188, 60Hz, CPSK, 60Hz) 56 NR FRI TOD 7.80 1.98, 1988 AAF 68 NR (CP-CPEM, 188, 60Hz, CPSK, 60Hz) 56 NR FRI TOD 7.90 1.96, 1988 AAF 68 NR (CP-CPEM, 188, 60Hz, CPSK, 60Hz) 56 NR FRI TOD 7.97 1.96, 1988 AAF 68 NR (CP-CPEM, 188, 60Hz, CPSK, 60Hz) 56 NR FRI TOD 7.97 1.96, 1988 AAF 68 NR (CP-CPEM, 188, 100Hz, CPSK, 60Hz) 56 NR FRI TOD 7.97 1.96, 1984 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 7.97 1.96, 1984 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 7.97 1.96, 1984 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 7.97 1.96, 1984 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.49 1.96, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.49 1.96, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.41 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.35 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.35 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.36 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.36 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.36 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.36 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.36 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.37 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.36 1.98, 1985 AAF 68 NR (CP-CPEM, 60N FR, 60Hz) 56 NR FRI TOD 8.36 1.98, 1985 AAF 68 NR (CP-CPEM,	10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
1985 ARF 60 NR (CP-CPEM, 188, 304Hz, QPSK, 600Hz)	10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
1985 AAF 8G NR (CP-OPEN, IRB. 040Hz, QPSK, 690Hz) 5G NR FRH TDD 7.66 19.6	10833	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 60 kHz)	5G NR FR1 TDD		±9.6
1985 ALE SG NR (CP-OPEN, IR. 8), SUNKE, OPEN, GOMEN SG NR FRH TDD 7.66 4.9.6	10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9,6
1988 ARF 60 NR (CP-CPGM, TR. B. 00Hz, CPSK, 60 Nz) 56 NR FRI TDD 7.68 4.96 19.66	10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
1985 AFF SG NR (CP-OFOM, 1 RB, S0MHz, OPSK, 60144) SG NR PRI TIDD 7.67 9.9.6	10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
1996 ARE SCH NI, CEPC PETON, 1 FIR. 50MHz, CPSK, 60Hz) SCH NIFER TOD 7.67 19.6	10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
19941 APP SG NR (CP-CPEM, 598 R. B) 1994. CPSK (50142) SG NR FRI TOD 8.49 19.6 19.8	10839	AAF		5G NR FR1 TDD	7.70	±9.6
10944 AAC SO NR (CP-CPOM, 50% RR, 15MHz, OPSK, 608142)	10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
1984 AAE SG NR (ICP-GPM, 590K, 89, 20 MHz, CPSK, 60 Hz)	10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
1996 ALE SG NR (CP-OFDM, 590; RB, 30 MHz, CPSK, 50 Hz)	10843	AAD	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.49	±9,6
10955 AAE SG NR (CP-CPOM, 100% RB, 10MHz, OPSK, 60Hz)	10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,34	±9.6
10855 AAD SG NR (CP-DEM), 100% RB, 15MHz, OPSK, 60Hz)	10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10956 AAE GG NR (CP-OFDM, 1009K, B2 20MHz, OPSK, 09MHz) SG NR FRI TOD 8.37 19.6	10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855 AAD GG NR (CP-CPDM, 1009; RB, 25MHz, CPSK, 60kHz) GS NR FR1 TOD 8.35 19.6	10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,36	±9.6
10859 AAE GG NIP (CP-OFDM, 109% RB, 30MHz, CPSK, 60KHz) SG NIR FRI TDD 8.36 19.6 10860 AAE SG NIR (CP-OFDM, 109% RB, 40MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.8 10861 AAF SG NIR (CP-OFDM, 109% RB, 50MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.8 10861 AAF SG NIR (CP-OFDM, 109% RB, 50MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.8 10861 AAF SG NIR (CP-OFDM, 109% RB, 50MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.6 10863 AAF SG NIR (CP-OFDM, 109% RB, 50MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.6 10865 AAF SG NIR (CP-OFDM, 109% RB, 100MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.6 10865 AAF SG NIR (CP-OFDM, 109% RB, 100MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.6 10865 AAF SG NIR (CP-OFDM, 109% RB, 100MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.6 10866 AAF SG NIR (CPF-OFDM, 109% RB, 100MHz, CPSK, 60KHz) SG NIR FRI TDD 8.41 19.6 10868 AAF SG NIR (CPF-OFDM, 109% RB, 100MHz, CPSK, 30KHz) SG NIR FRI TDD 5.88 19.6 10869 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, CPSK, 30KHz) SG NIR FRI TDD 5.89 19.6 10870 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, CPSK, 120KHz) SG NIR FRI TDD 5.75 29.6 10870 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, CPSK, 120KHz) SG NIR FRI TDD 5.75 29.6 10872 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, 10CMX, 120KHz) SG NIR FRZ TDD 5.75 29.6 10873 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, 10CMX, 120KHz) SG NIR FRZ TDD 5.75 29.6 10873 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, 20CMX, 120KHz) SG NIR FRZ TDD 5.75 29.6 10873 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, 20CMX, 120KHz) SG NIR FRZ TDD 5.60 19.6 10873 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, 20CMX, 120KHz) SG NIR FRZ TDD 5.61 19.6 10873 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, 20CMX, 120KHz) SG NIR FRZ TDD 5.61 19.6 10873 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz, 20CMX, 120KHz) SG NIR FRZ TDD 5.65 19.6 10873 AAE SG NIR (CPF-OFDM, 109% RB, 100MHz,	10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10850 AAF SG NR (CP-CFOM, 100% RB, 40MHz, CPSK, 60HHz) SG NR FRI TDD 8.44 19.6 10860 AAE SG NR (CP-CFOM, 100% RB, 50MHz, CPSK, 60HHz) SG NR FRI TDD 8.41 19.6 10861 AAF SG NR (CP-CFOM, 100% RB, 50MHz, CPSK, 60HHz) SG NR FRI TDD 8.40 19.6 10863 AAF SG NR (CP-CFOM, 100% RB, 50MHz, CPSK, 60HHz) SG NR FRI TDD 8.41 19.6 10864 AAE SG NR (CP-CFOM, 100% RB, 50MHz, CPSK, 60HHz) SG NR FRI TDD 8.47 19.6 10865 AAF SG NR (CP-CFOM, 100% RB, 50MHz, CPSK, 60HHz) SG NR FRI TDD 8.47 19.6 10866 AAF SG NR (CP-CFOM, 100% RB, 100MHz, CPSK, 50HHz) SG NR FRI TDD S.67 19.6 10868 AAF SG NR (CPT-SCFOM, 100% RB, 100MHz, CPSK, 30HHz) SG NR FRI TDD S.68 19.6 10869 AAF SG NR (CPT-SCFOM, 100% RB, 100MHz, CPSK, 30HHz) SG NR FRI TDD S.68 19.6 10870 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, CPSK, 30HHz) SG NR FRI TDD S.75 19.6 10871 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, CPSK, 100Hz) SG NR FRI TDD S.75 19.6 10872 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, CPSK, 120HHz) SG NR FRI TDD S.75 19.6 10873 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, CPSK, 120HHz) SG NR FRI TDD S.75 19.6 10874 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, CPSK, 120HHz) SG NR FRI TDD S.75 19.6 10875 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, 10GAN, 120HHz) SG NR FRI TDD S.75 19.6 10876 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, 10GAN, 120HHz) SG NR FRI TDD S.75 19.6 10877 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, 10GAN, 120Hz) SG NR FRI TDD S.75 19.6 10878 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, 10GAN, 120Hz) SG NR FRI TDD S.75 19.6 10877 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, 10GAN, 120Hz) SG NR FRI TDD S.78 19.6 10878 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, 10GAN, 120Hz) SG NR FRI TDD S.78 19.6 10879 AAE SG NR (CPT-SCFOM, 100% RB, 100MHz, 10GAN, 120Hz) SG NR FRI TDD S.78 19.6 10879 AAE SG NR (CPT-SCFOM, 100%	10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10860 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 ±9.6 10861 AAF SG NR (CP-OFDM, 100% RB, 60 MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 ±9.6 10863 AAF SG NR (CP-OFDM, 100% RB, 50 MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 ±9.6 10864 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 ±9.6 10865 AAF SG NR (CP-OFDM, 100% RB, 50 MHz, CPSK, 60 MHz) SG NR FRI TDD 8.41 ±9.6 10865 AAF SG NR (CP-OFDM, 100% RB, 100 MHz, CPSK, 50 MHz) SG NR FRI TDD S.41 ±9.6 10866 AAF SG NR (CPT-SOFDM, 100% RB, 18) 100 MHz, CPSK, 30 MHz) SG NR FRI TDD S.48 ±9.6 10868 AAF SG NR (CPT-SOFDM, 100% RB, 18) 100 MHz, CPSK, 30 MHz) SG NR FRI TDD S.48 ±9.6 10868 AAF SG NR (CPT-SOFDM, 100% RB, 18) 100 MHz, CPSK, 120 MHz) SG NR FRI TDD S.49 ±9.6 10869 AAE SG NR (CPT-SOFDM, 100% RB, 100 MHz, CPSK, 120 MHz) SG NR FRI TDD S.57 ±9.6 10870 AAE SG NR (CPT-SOFDM, 100% RB, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10871 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10872 AAE SG NR (CPT-SOFDM, 100% RB, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10873 AAE SG NR (CPT-SOFDM, 178, 100 MHz, 160 AM, 120 MHz) SG NR FRI TDD S.75 ±9.6 10887 AAE SG NR (CPT-SOFDM, 17	10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9,6
10863 AAF SG NR (CP-OFDM, 100% RB, 60MHz, CPSK, 60KHz) SG NR FRI TDD 8.40 4.9.6 10863 AAF SG NR (CP-OFDM, 100% RB, 60MHz, CPSK, 60KHz) SG NR FRI TDD 8.41 4.9.6 10864 AAF SG NR (CP-OFDM, 100% RB, 60MHz, CPSK, 60KHz) SG NR FRI TDD S.37 4.9.6 10865 AAF SG NR (CP-OFDM, 100% RB, 100MHz, CPSK, 60KHz) SG NR FRI TDD S.41 4.9.6 10866 AAF SG NR (CP-OFDM, 100% RB, 100MHz, CPSK, 50KHz) SG NR FRI TDD S.68 4.9.6 10866 AAF SG NR (CP-SOFDM, 108) SG NNHz, CPSK, 50KHz) SG NR FRI TDD S.69 4.9.6 10866 AAF SG NR (CP-SOFDM, 100% RB, 100MHz, CPSK, 50KHz) SG NR FRI TDD S.69 4.9.6 10867 AAF SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 50KHz) SG NR FRI TDD S.69 4.9.6 10877 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.60 4.9.6 10877 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.60 4.9.6 10877 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-SOFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, CPSK, 120kHz) SG NR FRI TDD S.50 4.9.6 10873 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, CPSK, 12	10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10868 AAF SG NR (CP-OFDM, 100% RB, 30MHz, CPSK, 60kHz) 5G NR FRI TDD 8.41 49.6 10866 AAF 5G NR (CP-OFDM, 100% RB, 50MHz, CPSK, 60kHz) 5G NR FRI TDD 8.41 49.6 10866 AAF 5G NR (CP-OFDM, 100% RB, 100MHz, CPSK, 80kHz) 5G NR FRI TDD 5.68 49.6 10866 AAF 5G NR (CP-OFDM, 108% RB, 100MHz, CPSK, 30kHz) 5G NR FRI TDD 5.68 49.6 10866 AAF 5G NR (CPT-S-OFDM, 108% RB, 100MHz, CPSK, 30kHz) 5G NR FRI TDD 5.69 49.6 10866 AAF 5G NR (CPT-S-OFDM, 108% RB, 100MHz, CPSK, 30kHz) 5G NR FRI TDD 5.69 49.6 10866 AAF 5G NR (CPT-S-OFDM, 108% RB, 100MHz, CPSK, 120kHz) 5G NR FRI TDD 5.75 49.6 10870 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 120kHz) 5G NR FRI TDD 5.75 49.6 10871 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 160AM, 120kHz) 5G NR FRI TDD 5.75 49.6 10873 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 5.75 49.6 10873 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 5.75 49.6 10873 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 5.75 49.6 10873 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 6.81 49.6 10873 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 6.81 49.6 10873 AAE 5G NR (CPT-S-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 5.75 49.6 10873 AAE 5G NR (CPT-OFDM, 100% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 7.78 49.6 10873 AAE 5G NR (CPT-OFDM, 100% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 7.78 49.6 10873 AAE 5G NR (CPT-OFDM, 100% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 7.78 49.6 10873 AAE 5G NR (CPT-OFDM, 100% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 7.78 49.6 10873 AAE 5G NR (CPT-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 7.78 49.6 10873 AAE 5G NR (CPT-OFDM, 108% RB, 100MHz, 60AM, 120kHz) 5G NR FRI TDD 7.78 49.6 10873 AAE 5G NR (CPT-OFDM, 108% RB, 50MHz, 60AM, 120kHz) 5G NR FRI TDD 5.75 49.6 10882 AAE 5G N	10860		5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
1986 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 80 Hz) SG NR FR1 TDD 8.97 4.9.6	10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10865 AAF SG NR (CP-CFDM, 1 RB, 100 MHz, CPSK, 60 kHz) SG NR FR1 TDD S. 68	10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866 AAF SG NR (DFTs-OFDM, 178, 100 MHz, OPSK, 30 Hz) SG NR FRI TDD 5.68 ±9.6 10869 AAE SG NR (DFTs-OFDM, 1078, 81, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD 5.75 ±9.6 10870 AAE SG NR (DFTs-OFDM, 178, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD 5.76 ±9.6 10871 AAE SG NR (DFTs-OFDM, 188, 100 MHz, OPSK, 120 Hz) SG NR FRI TDD 5.86 ±9.6 10872 AAE SG NR (DFTs-OFDM, 188, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 5.86 ±9.6 10873 AAE SG NR (DFTs-OFDM, 188, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 6.52 ±9.6 10874 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 6.52 ±9.6 10874 AAE SG NR (DFTs-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 6.52 ±9.6 10874 AAE SG NR (DFTs-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 6.65 ±9.6 10875 AAE SG NR (DFT-S-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 6.65 ±9.6 10876 AAE SG NR (DF-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 7.78 ±9.6 10877 AAE SG NR (DF-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 7.79 ±9.6 10879 AAE SG NR (DF-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 7.95 ±9.6 10879 AAE SG NR (DF-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 7.95 ±9.6 10879 AAE SG NR (DF-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 7.95 ±9.6 10880 AAE SG NR (DF-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DF-OFDM, 178, 100 MHz, 160 AM, 120 Hz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DF-SOFDM, 178, 50 MHz, 160 AM, 120 Hz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DFT-SOFDM, 178, 50 MHz, 160 AM, 120 Hz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DFT-SOFDM, 178, 50 MHz, 160 AM, 120 Hz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DFT-SOFDM, 178, 50 MHz, 160 AM, 120 Hz) SG NR FRI TDD 5.76 ±9.6 10880 AAE SG NR (DFT-SOFDM, 178, 50 MHz, 1	10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10868 AAF SG NR (DFTs-OFDM, 109% RB, 100 MHz, QPSK, 208 Hz) SG NR FR1 TDD 5.86 ±9.6 10870 AAE SG NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 Hz) SG NR FR2 TDD 5.75 ±9.6 10871 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 Hz) SG NR FR2 TDD 5.75 ±9.6 10871 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 Hz) SG NR FR2 TDD 5.75 ±9.6 10872 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 Hz) SG NR FR2 TDD 5.75 ±9.6 10873 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 Hz) SG NR FR2 TDD 6.52 ±9.6 10874 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 640 AM, 120 Hz) SG NR FR2 TDD 6.61 ±9.6 10875 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 640 AM, 120 Hz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (DFT-OFDM, 100% RB, 100 MHz, 040 AM, 120 Hz) SG NR FR2 TDD 7.78 ±9.6 10877 AAE SG NR (DFO-OFDM, 188, 100 MHz, 160 AM, 120 Hz) SG NR FR2 TDD 7.78 ±9.6 10878 AAE SG NR (DFO-OFDM, 100% RB, 100 MHz, 160 AM, 120 Hz) SG NR FR2 TDD 8.39 ±9.6 10879 AAE SG NR (DFO-OFDM, 100% RB, 100 MHz, 100 AM, 120 Hz) SG NR FR2 TDD 7.95 ±9.6 10879 AAE SG NR (DFO-OFDM, 100 MHz, 160 AM, 120 Hz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (DFO-OFDM, 100 MHz, 160 AM, 120 Hz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (DFO-OFDM, 100% RB, 100 MHz, 100 AM, 120 Hz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (DFO-OFDM, 100% RB, 100 MHz, 100 AM, 120 Hz) SG NR FR2 TDD 8.41 ±9.6 10880 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 100 AM, 120 Hz) SG NR FR2 TDD 8.41 ±9.6 10881 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 040 AM, 120 Hz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 040 AM, 120 Hz) SG NR FR2 TDD 5.75 ±9.6 10884 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 100 AM, 120 Hz) SG NR FR2 TDD 5.65 ±9.6 10885 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, 100 AM, 120 Hz) SG NR FR2 TDD 5.6	10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10889	10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	±9.6
10870 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 120KHz) SG NR FR2 TDD S.85 ±9.6 10871 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 160AM, 120KHz) SG NR FR2 TDD S.52 ±9.6 10873 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 160AM, 120KHz) SG NR FR2 TDD S.52 ±9.6 10873 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 264DAM, 120KHz) SG NR FR2 TDD S.52 ±9.6 10874 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 264DAM, 120KHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (CP-OFDM, 100% RB, 100MHz, 20FSK, 120KHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (CP-OFDM, 100% RB, 100MHz, 160AM, 120KHz) SG NR FR2 TDD 7.95 ±9.6 10878 AAE SG NR (CP-OFDM, 100% RB, 100MHz, 160AM, 120KHz) SG NR FR2 TDD 7.95 ±9.6 10878 AAE SG NR (CP-OFDM, 100% RB, 100MHz, 160AM, 120KHz) SG NR FR2 TDD SG NR FR2 TD	10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10871 AAE SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10873 AAE SG NR (DFT-s-OFDM, 16B, 100 MHz, 46QAM, 120 kHz) SG NR FR2 TDD 6.52 ±9.8 10874 AAE SG NR (DFT-s-OFDM, 16B, 100 MHz, 46QAM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10875 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, QFSK, 120 kHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, QFSK, 120 kHz) SG NR FR2 TDD 7.79 ±9.6 10877 AAE SG NR (CP-OFDM, 18B, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.39 ±9.6 10878 AAE SG NR (CP-OFDM, 18B, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10878 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10880 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.38 ±9.6 10881 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (CP-S-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (CP-S-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10884 AAE SG NR (CP-S-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10885 AAE SG NR (CP-S-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10886 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10887 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, CPSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10888 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, CPSK, 120 kHz) SG NR FR2 TDD 5.53 ±9.6 10889 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, CPSK, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10889 AAE SG NR (CP-S-OFDM, 1 RB, 50 MHz, CPSK, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10889	10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz) 5G NR FRZ TDD 6.52 ±9.6 10873 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 KHz) 5G NR FRZ TDD 6.65 ±9.6 10875 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 KHz) 5G NR FRZ TDD 7.78 ±9.6 10876 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 04DKz) 5G NR FRZ TDD 7.78 ±9.6 10876 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 04DKz) 5G NR FRZ TDD 7.78 ±9.6 10877 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 04DKz) 5G NR FRZ TDD 7.95 ±9.6 10877 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 KHz) 5G NR FRZ TDD 7.95 ±9.6 10878 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 KHz) 5G NR FRZ TDD 8.41 ±9.6 10879 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 KHz) 5G NR FRZ TDD 8.41 ±9.6 10880 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 KHz) 5G NR FRZ TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 KHz) 5G NR FRZ TDD 5.75 ±9.6 10881 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 KHz) 5G NR FRZ TDD 5.75 ±9.6 10883 AAE 5G NR (CP-S-OFDM, 1 RB, 50 MHz, QPSK, 120 KHz) 5G NR FRZ TDD 5.75 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 KHz) 5G NR FRZ TDD 5.75 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 KHz) 5G NR FRZ TDD 5.75 ±9.6 10885 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 100 KHz) 5G NR FRZ TDD 5.75 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 100 KHz) 5G NR FRZ TDD 5.75 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 100 KHz) 5G NR FRZ TDD 5.75 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 100 KHz) 5G NR FRZ TDD 6.57 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 100 KHz) 5G NR FRZ TDD 6.56 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 100 KHz) 5G NR FRZ TDD 6.56 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 100 KHz, 100 KHz) 5G NR FRZ TDD 6.56 ±9.6 10886 AAE 5G NR	10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9,6
10873 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FRZ TDD 6.61 ±9.6 10874 AAE 5G NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FRZ TDD 6.65 ±9.6 10876 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 04QAM, 120 kHz) 5G NR FRZ TDD 7.78 ±9.6 10876 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 04QAM, 120 kHz) 5G NR FRZ TDD 7.95 ±9.6 10877 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FRZ TDD 7.95 ±9.6 10879 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FRZ TDD 8.41 ±9.6 10879 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FRZ TDD 8.12 ±9.6 10879 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FRZ TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FRZ TDD 8.12 ±9.6 10881 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QFSK, 120 kHz) 5G NR FRZ TDD 5.75 ±9.6 10882 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QFSK, 120 kHz) 5G NR FRZ TDD 5.75 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 5.96 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 5.96 ±9.6 10885 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 5.96 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 5.96 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 6.53 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 6.51 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 6.51 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 6.51 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 6.51 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 6.61 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 102 kHz) 5G NR FRZ TDD 5.60 ±9.6 10886 AAE 5G NR (DFTs-O	10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10874 AAE SG NR (DFFs-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10875 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, OPSK, 120 kHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz) SG NR FR2 TDD 8.39 ±9.6 10877 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 7.95 ±9.6 10878 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.38 ±9.6 10881 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.75 ±9.6 10882 AAE SG NR (DFFs-OFDM, 100% RB, 500 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.75 ±9.6 10882 AAE SG NR (DFFs-OFDM, 100% RB, 500 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.75 ±9.6 10882 AAE SG NR (DFFs-OFDM, 100% RB, 500 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10883 AAE SG NR (DFFs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10885 AAE SG NR (DFFs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10885 AAE SG NR (DFFs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10887 AAE SG NR (DFFs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10887 AAE SG NR (CPF-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.95 ±9.6 10889 AAE SG NR (CPF-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.95 ±9.6 10889 AAE SG NR (CPF-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.95 ±9.6 10889 AAE SG NR (CPF-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.95 ±9.6 10889 AAE SG NR (CPF-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.95 ±9.6 10889 AAE SG NR (CPF-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.95 ±9.6 10889 AAE SG NR (CPF-OF	10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10875 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10876 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.95 ±9.6 10878 AAE 5G NR (CP-OFDM, 18B, 100 MHz, 162AM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10879 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 162AM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10879 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 162AM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10879 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 8.38 ±9.6 10881 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10884 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10885 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, 40AM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10887 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, 40AM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10887 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, 40AM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10887 AAE 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, 40AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10888 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10899 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR2 TDD 6.65 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR2 TDD 6.65 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60AM, 120 kHz) 5G NR FR2 TDD 5.66 ±9.6 10890 AAE 5G NR (DFT-S-OFDM, 1 RB, 50 MHz, 60AM, 120 kHz) 5G NR FR2 TDD 5.66 ±9.6 10890 AA	10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10876 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 19CAM, 120 kHz) 5G NR FR2 TDD 8,39 ±9.6 10877 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 19CAM, 120 kHz) 5G NR FR2 TDD 7.95 ±9.6 10878 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 19CAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10879 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 8.38 ±9.6 10881 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16CAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16CAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10888 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DF-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DF-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DF-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DF-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (DF-OFDM, 100% RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 6.66 ±9.6 10889 AAE 5G NR (DF-S-OFDM, 1 RB, 50 MHz, 100 kHz) 5G NR FR2 TDD 6.66 ±9.6 10889 AAE 5G NR (DF-S-OFDM, 1 RB, 50	10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10877 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 7.95 ±9.6 10878 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10880 AAE 5G NR (CP-OFDM, 18B, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10881 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10881 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QFSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QFSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 10CAM, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16CAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16CAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16CAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10885 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64CAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10885 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 102 kHz) 5G NR FR2 TDD 7.78 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 102 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 100AM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 100AM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60AM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10899 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60AM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10899 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60AM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10899 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 60AM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10899 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 60AM, 120 kHz) 5G NR	10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10878 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD S.75 ±9.6 10881 AAE SG NR (DFTs-OFDM, 18B, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.75 ±9.6 10882 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10883 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10883 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10884 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10885 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 84QAM, 120 kHz) SG NR FR2 TDD S.96 ±9.6 10886 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 84QAM, 120 kHz) SG NR FR2 TDD SG NR FR2 TDD S.96 ±9.6 10886 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 84QAM, 120 kHz) SG NR FR2 TDD S	10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10879 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10881 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.51 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10890 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10892 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10893 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10894 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10895 AAE 5G NR (CP-S-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.66 ±9.6 10896 AAC 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10897 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MH	10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10881 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10899 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10893 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR2 TDD 5.66 ±9.6 10899 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK	10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8,41	±9.6
10881 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10885 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (DFTS-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (DFOFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (DFOFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (DFOFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (DFOFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10892 AAE 5G NR (DFOFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (DFOFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAE 5G NR (DFOFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10899 AAB 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10890 AAC 5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFTs-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFTs-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD	10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10882 AAE 5G NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120kHz) 5G NR FR2 TDD 5.96 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 1 RB, 50MHz, 16QAM, 120kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120kHz) 5G NR FR2 TDD 6.53 ±9.6 10885 AAE 5G NR (DFTs-OFDM, 18B, 50MHz, 64QAM, 120kHz) 5G NR FR2 TDD 6.61 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50MHz, 64QAM, 120kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, 64QAM, 120kHz) 5G NR FR2 TDD 7.78 ±9.6 10888 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, 100kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, 100kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, 100kM, 120kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50MHz, 04VkHz) 5G NR FR2 TDD 8.40 ±9.6 10892 A	10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10883 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.66 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.66 ±9.6 10887 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10888 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6	10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10884 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10885 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 18B, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR2 TDD 8.14 ±9.6 10893 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6	10882	AAE		5G NR FR2 TDD		±9.6
10885 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10888 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (DFTs-OFDM, 1 RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAC 5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6	10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10887 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10888 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10890 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10892 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10898 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 1	10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10887 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10888 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (DFTs-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10893 AAE 5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 1090	10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6,61	±9,6
10888 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.35 ±9.6 10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10893 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR	10886	AAE		5G NR FR2 TDD	6.65	±9.6
10889 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1					7.78	
10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.40 ±9.6 10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAE 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1	10888	AAE		5G NR FR2 TDD	8,35	±9.6
10891 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAE 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAC 5G NR (DFTs-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAB 5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFTs-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD	10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	
10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAE 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 T		AAE			8.40	
10897 AAE 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 1090	10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10898 AAC 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10	10892	AAE		5G NR FR2 TDD	8.41	
10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR					5.66	±9.6
10900 AAC 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)		5.67	±9.6
10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10899	AAB			5.67	±9.6
10902 AAC 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10900	AAC	<u> </u>	5G NR FR1 TDD	5.68	±9.6
10903 AAD 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5,68 ±9.6 10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5,68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5,68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5,68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5,78 ±9.6 10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5,93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5,96 ±9.6	10901	AAB	, , , , , , , , , , , , , , , , , , ,	5G NR FR1 TDD	5,68	±9.6
10904 AAC 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905 AAD 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	
10906 AAD 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6		AAC	·	5G NR FR1 TDD	5.68	±9.6
10907 AAE 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10908 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10906	AAD	, <u> </u>			±9,6
10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10907	AAE	<u> </u>	5G NR FR1 TDD	5.78	±9.6
		AAC				±9.6
10910 AAC 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.83 ±9.6	10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)		5.96	±9.6
	10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

1991 AAB SO NR IDFT-G-FORM, 590: RB, 30MHz, C9PSK, 50MHz) SO NR FRH I IDD 5.84 9.6 19.6 19.9 19.	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
1991 AAC SO NR (PFF-COFEM, 597 RB, 30MHz, COPSK, 30MHz)	}			***************************************		±9.6
1991 AAC SOL NR (FIF-GOFMA, 507-RE, 50MHz, 095K, 30HHz) SOLN REPRITOD 5.85 ±9.6	<u> </u>			5G NR FR1 TDD	5.84	±9.6
1991 AAD GR NR (DPT-COPIN), 50% RB, 50MHz, GPSK, 50MHz]		AAD		5G NR FR1 TDD	5.84	±9,6
1991 ADJ SG NR (DT-S-OFDM, 59% RB, 50MHz, OPSK, 50MHz)	10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10917 ADD GO NR IDET-OFDIAL (SW. RB. 100MHz. CPSK, 300Hz)	10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,83	±9.6
1991 AAC GR NG (PET-OFFON, 1009-R, 18)-MHz, (CPSK, 300Hz) SG NR FRH TDD 5.86 49.6 19.5	10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9,6
1991 AAC GR NG (PET-OFFON, 1009-R, 18)-MHz, (CPSK, 300Hz) SG NR FRH TDD 5.86 49.6 19.5	10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
19820 ARB \$6 NR (DFF=0F0M, 100% RB, 15MHz, OPSK, 50HHz)	10918	AAE		5G NR FR1 TDD	5.86	±9.6
19921 AAC 60 NP DFF=0FDM, 100% RB, 20MHz, OPSK, 300Hz)	10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
1992 AAB SS NH (DFT=00FTM, 1995 RB, 25MHz, OPSK, 30MHz)	10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
1982 AAC SG NP (DFT=COFEM, 109K R.; 30MHz, OFSK, 30HHz)	10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
19925 AAO SO NR (DFE-OFDM, 1009K, RS 190ME), OPSK, 190ME) SG NR FRI TDD 5.95 1.96	10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
1995 ACC SCI NR (DPT-EOCTIM), 100%; RB, 50MHz, CPSK, 30MHz) 5G NR FRI TIDD 5.98 19.6 1992 ACC SCI NR (DPT-EOCTIM), 100%; RB, 50MHz, CPSK, 30MHz) 5G NR FRI TIDD 5.94 19.6 1992 ACC SCI NR (DPT-EOCTIM), 100%; RB, 50MHz, CPSK, 15MHz) 5G NR FRI TIDD 5.52 29.6 19.6 19.9 19.	10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
19926 AD SO NR (DPT-EO-DM), 109W, RB 60MHz, OPSK, 190Hz)	10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
1992 AD SO NR (DPT-S-OFDM, 1798, MHz, OPSK, 1904H2)	10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
19928 AAD SG NR (DFT=-OFDM, 1 RB, 5MHz, OPSK, 15Hz) SG NR FR1 FDD 5.52 19.6	10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
19829 AAD SG NR (DFT=-OFDM, 1 RB, 10MHz, OPSK, 15Htb) SG NN FR1 FDD 5.52 19.6	10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9,6
1993 AAC SG NR (DFFs-OFDM, 1 RB, 20MHz, QPSK, 15kHz) SG NR FR1 FDD 5.52 1.9.6	10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
1993 AAC SG NR (DFTs-OFDM, 1 RR, 20MHz, CPSK, 15kHz) SG NR FR1 FDD 5.51 19.6	10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
19932 AAC GG NR (DFTs-OFDM, 18, 25MHz, OPSK, 15MHz) 5G NR FRI FDD 5.51 1.9.6	10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
19933 AAC SG NR (DFTs-OFDM, 1RB, 30MHz, OPSK, 15Hz) 5G NR FRI FDD 5.51 19.6 19935 AAD 5G NR (DFTs-OFDM, 1RB, 50MHz, OPSK, 15Hz) 5G NR FRI FDD 5.51 19.6 19935 AAD 5G NR (DFTs-OFDM, 1RB, 50MHz, OPSK, 15Hz) 5G NR FRI FDD 5.51 19.8 19	10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
19936 AAC SG NR (DFTs-OFDM, 18B, 40MHz, OPSK, 15HHz) SG NR FRI FDD 5.51 4.96	10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD		±9.6
19935 AAD SG NR (DFTs-OFDM, 188, 50MHz, QPSK, 15MHz) SG NR FRI FDD 5.51 49.6 19937 AAD SG NR (DFTs-OFDM, 50% RB, 5MHz, QPSK, 15MHz) SG NR FRI FDD 5.77 49.8 19938 AAC SG NR (DFTs-OFDM, 50% RB, 15MHz, QPSK, 15MHz) SG NR FRI FDD 5.77 49.8 19938 AAC SG NR (DFTs-OFDM, 50% RB, 15MHz, QPSK, 15MHz) SG NR FRI FDD 5.90 49.6 19938 AAC SG NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.90 49.6 19938 AAC SG NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.82 49.6 19940 AAC SG NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.83 49.6 19941 AAC SG NR (DFTs-OFDM, 50% RB, 30MHz, QPSK, 15MHz) SG NR FRI FDD 5.83 49.6 19942 AAC SG NR (DFTs-OFDM, 50% RB, 30MHz, QPSK, 15MHz) SG NR FRI FDD 5.85 49.6 19943 AAC SG NR (DFTs-OFDM, 50% RB, 30MHz, QPSK, 15MHz) SG NR FRI FDD 5.85 49.6 19943 AAC SG NR (DFTs-OFDM, 50% RB, 40MHz, QPSK, 15MHz) SG NR FRI FDD 5.85 49.6 19944 AAC SG NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15MHz) SG NR FRI FDD 5.85 49.6 19944 AAC SG NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15MHz) SG NR FRI FDD 5.85 49.6 19944 AAC SG NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15MHz) SG NR FRI FDD 5.85 49.6 19945 AAC SG NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15MHz) SG NR FRI FDD 5.86 49.6 19946 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.87 49.6 19947 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.87 49.6 19949 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.87 49.6 19949 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.94 49.6 19949 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.94 49.6 19949 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.87 49.6 19949 AAC SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15MHz) SG NR FRI FDD 5.87 49.6 19949 AAC	10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
1938 AAD SG NR (DFT-6-OFDM, 50% RB, 50Mtz, QPSK, 15kHz) SG NR FRI FDD 5.90 4.9.6	10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
19938 AAD SG NR (DFTs-OFDM, 50% RB, 10MHz, QPSK, 15kHz) SG NR FRI FDD 5.77 4.9.8	10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,51	±9.6
1938 AAC 5G NR (DFTs-OFDM, 50% RB, 15MHz, QPSK, 15KHz) 5G NR FRI FDD 5.90 ±9.6 19340 AAC 5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.82 ±9.6 19341 AAC 5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.83 ±9.6 19341 AAC 5G NR (DFTs-OFDM, 50% RB, 25MHz, QPSK, 15KHz) 5G NR FRI FDD 5.83 ±9.6 19342 AAC 5G NR (DFTs-OFDM, 50% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.83 ±9.6 19342 AAC 5G NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 ±9.6 19343 AAD 5G NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 ±9.6 19344 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 ±9.6 19345 AAD 5G NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 ±9.6 19345 AAD 5G NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 ±9.6 19345 AAD 5G NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15KHz) 5G NR FRI FDD 5.85 ±9.6 19345 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.83 ±9.6 19347 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.87 ±9.6 19349 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.87 ±9.6 19349 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 ±9.6 19351 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 ±9.6 19351 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.94 ±9.6 19351 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 ±9.6 19353 AAA 5G NR DCFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 ±9.6 19353 AAA 5G NR DCFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 ±9.6 19353 AAA 5G NR DCFTs-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FRI FDD 5.92 ±9.6 19353 AAA 5G NR DC (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15KHz) 5G NR FRI FDD 8.12 ±9.6 19353	10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.90	±9.6
1939 AAC SG NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15kHz) SG NR FR1 FDD 5.82 4.9.6	10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10940 AAC SG NR (DFT-c-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.89 ±9.6	10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,90	±9.6
19941 AAC SG NR (DFTs-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.83 ±9.6 19942 AAC SG NR (DFTs-OFDM, 50% RB, 40 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.85 ±9.6 19943 AAD SG NR (DFTs-OFDM, 50% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.95 ±9.6 19944 AAD SG NR (DFTs-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.81 ±9.6 19945 AAO SG NR (DFTs-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.85 ±9.6 19946 AAC SG NR (DFTs-OFDM, 100% RB, 15 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.85 ±9.6 19946 AAC SG NR (DFTs-OFDM, 100% RB, 15 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.83 ±9.6 19947 AAC SG NR (DFTs-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.87 ±9.6 19948 AAC SG NR (DFTs-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.87 ±9.6 19949 AAC SG NR (DFTs-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.87 ±9.6 19949 AAC SG NR (DFTs-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.87 ±9.6 19950 AAC SG NR (DFTs-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.97 ±9.6 19951 AAD SG NR (DFTs-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.92 ±9.6 19952 AAA SG NR (DFTs-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz) SG NR FR1 FDD 5.92 ±9.6 19953 AAA SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 kHz) SG NR FR1 FDD 8.25 ±9.6 19954 AAA SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) SG NR FR1 FDD 8.42 ±9.6 19955 AAA SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz) SG NR FR1 FDD 8.42 ±9.6 19956 AAA SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) SG NR FR1 FDD 8.42 ±9.6 19958 AAA SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) SG NR FR1 FDD 8.41 ±9.6 19958 AAA SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) SG NR FR1 FDD 8.93 ±9.6 19959 AAA SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz) SG NR FR1 TDD 9.92 ±9.6	10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10942 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) SG NR FR1 FDD 5.85 ±9.6	10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10943 AAD SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15kHz) SG NR FRI FDD S.95 ±9.6 10944 AAO SG NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz) SG NR FRI FDD S.81 ±9.6 10946 AAC SG NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz) SG NR FRI FDD S.83 ±9.6 10947 AAC SG NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz) SG NR FRI FDD S.83 ±9.6 10947 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD S.87 ±9.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD S.87 ±9.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD S.87 ±9.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15kHz) SG NR FRI FDD S.87 ±9.6 10950 AAC SG NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15kHz) SG NR FRI FDD S.87 ±9.6 10951 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) SG NR FRI FDD S.94 ±9.6 10952 AAA SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) SG NR FRI FDD S.94 ±9.6 10952 AAA SG NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.25 ±9.6 10953 AAA SG NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.25 ±9.6 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 ±9.6 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.42 ±9.6 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.61 ±9.6 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.61 ±9.6 10955 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.61 ±9.6 10956 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.61 ±9.6 10956 AAA SG NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI TDD 9.32 ±9.6 10956 AAG SG NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI TDD 9.30 ±9.6 10956 AAG SG NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM,	10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10944 AAD SG NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz) SG NR FRI FDD 5.85	10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10945 AAD 5G NR (DFTs-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ±9.6 10946 AAC 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ±9.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ±9.6 10948 AAC 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-CAM, 15 kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 15 kHz) 5G NR FR1 FDD 5.92 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 15 kHz) 5G NR FR1 FDD 5.92 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 15 kHz) 5G NR FR1 FDD 8.25 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 15 kHz) 5G NR FR1 FDD 8.25 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 30 kHz) 5G NR FR1 FDD 8.42 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-CAM, 30 kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-CAM, 30 kHz) 5G NR FR1 FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-CAM, 30 kHz) 5G NR FR1 FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-CAM, 30 kHz) 5G NR FR1 FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-CAM, 30 kHz) 5G NR FR1 FDD 9.32 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-CAM, 30 kHz) 5G NR FR1 FDD 9.32 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-CAM, 30 kHz) 5G NR FR1 TDD 9.32 ±9.6 10956 AAB 5G NR DL (CP-OFD	10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10946 AAC 5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.83 ±9.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10948 AAC 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.94 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.92 ±9.6 10953 AAA 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.92 ±9.6 10953 AAA 5G NR (DFTS-OFDM, 100% RB, 40-AMA, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.15 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.61 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 9.32 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 9.32 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.35 ±9.6 10956 AAC 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5	10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.87 ±9.6 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.87 ±9.6 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.87 ±9.6 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.94 ±9.6 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.92 ±9.6 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.25 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FRI FDD 8.42 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.42 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.14 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.31 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.31 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.33 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.33 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FRI FDD 8.33 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FRI TDD 9.32 ±9.6 10966 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FRI TDD 9.32 ±9.6 10967 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FRI TDD 9.55 ±9.6 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FRI TDD 9.55 ±9.6 10966 AAB 5G NR D	10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10948	10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,83	±9.6
10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ±9.6 10951 AAD 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ±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 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 8.61 ±9.6 10959 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, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10962 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.35 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.35 ±9.6 10965 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.35 ±9.6 10965 AAC 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 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAC	10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ±9.6 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ±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, 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 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 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, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 10966 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 10966 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ±9.6 10966 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.40 ±9.6 10968 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAC 5G N	10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,94	±9.6
10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.15 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.24 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.41 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10965 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.57 ±9.6 10966 AAE 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAC 5G NR DL (CP-	10949	AAC	5G NR (DFT-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, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.15 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.14 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.36 ±9.6 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.40 ±9.8 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.40 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.29 ±9.6 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10967 AAC 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.60 ±9.6 10973 AAC 5G NR CL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 3	10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 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 9.36 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-	10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,92	±9.6
10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.14 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.36 ±9.6 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.36 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.40 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)				5G NR FR1 FDD	8.25	±9.6
10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.14 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ±9.6 10965 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30	10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 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 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 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, 10 MHz, 64-	10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	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 ±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 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 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, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 6	10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
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 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 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, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.40 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.55 ±9.6 10965 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ±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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10972 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64		AAA			8.14	±9.6
10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.36 ±9.6 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.40 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.37 ±9.6 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10967 AAC 5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.42 ±9.6 10972 AAC 5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.49 ±9.6 10973 AAC 5G NR GL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz)		 			8.31	±9.6
10960 AAE 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.32 ±9.6 10961 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.36 ±9.6 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.40 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.37 ±9.6 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.55 ±9.6 10967 AAC 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.42 ±9.6 10972 AAC 5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.42 ±9.6 10972 AAC 5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.49 ±9.6 10973 AAD 5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz)			, , , , , , , , , , , , , , , , , , , ,		8.61	±9,6
10961 AAC 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10972 AAC 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10973 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10974 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QA				5G NR FR1 FDD	8.33	±9.6
10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.40 ±9.6 10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10972 AAC 5G NR (CP-OFDM, T BB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ±9.6 10979 AAA ULLA 1.16 ±9.6 </td <td></td> <td></td> <td></td> <td></td> <td>9.32</td> <td>±9.6</td>					9.32	±9.6
10963 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.55 ±9.6 10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10972 AAC 5G NR (CP-OFDM, T BB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) 5G NR FR1 TDD 10.28 ±9.6 10978 AAA ULLA 1.16 ±9.6 10980 AAA ULLA 10.32 ±9.6 10981 AAA U		_			9.36	±9.6
10964 AAE 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.29 ±9.6 10965 AAC 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10972 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 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 1.16 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDR94 ULLA 3.19 ±9.6					9.40	±9.6
10965 AAC 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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10972 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 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 1.16 ±9.6 10980 AAA ULLA HDR4 ULLA 8.58 ±9.6 10981 AAA ULLA HDR8 ULLA 3.19 ±9.6					9.55	
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 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10972 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 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 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDR94 ULLA 3.19 ±9.6				5G NR FR1 TDD	9.29	±9.6
10967 AAC 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.42 ±9.6 10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10972 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 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 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDR94 ULLA 3.19 ±9.6						±9.6
10968 AAD 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.49 ±9.6 10972 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 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 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	<u> </u>				9.55	±9.6
10972 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 11.59 ±9.6 10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 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 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	3			5G NR FR1 TDD	9.42	±9.6
10973 AAD 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 9.06 ±9.6 10974 AAD 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 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	1			3	9.49	±9.6
10974 AAD 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 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	<u> </u>				11.59	±9.6
10978 AAA ULLA BDR 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	<u> </u>			[9.06	
10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	<u> </u>			5G NR FR1 TDD	10.28	±9,6
10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	L			ULLA	1,16	±9.6
10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6	1			1	8.58	±9.6
	1				10.32	±9.6
10982 AAA ULLA HDRp8 ULLA 3.43 ±9.6			'		3.19	±9.6
	10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

EX3DV4 - SN:7803

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9,31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9,42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL. (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8,51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8,95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8,96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8,41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8,29	±9,6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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

Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

Element Columbia, USA Certificate No.

EX-7661_Jun24

CALIBRATION CERTIFICATE

SPS 06/24/24

Object

EX3DV4 - SN:7661

Calibration procedure(s)

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

QA CAL-25.v8

Calibration procedure for dosimetric E-field probes

Calibration date

June 17, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660_Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349_Nov23)	Nov-24

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

Name

Function

Signature

Calibrated by

Joanna Lleshaj

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: June 17, 2024

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

Certificate No: EX-7661 Jun24

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S Swiss Calibration Service

Accreditation No.: SCS 0108

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Multilateral Agreement for the recognition of calibration certificates

Glossary

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

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

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

Polarization φ φ rotation around probe axis

Certificate No: EX-7661_Jun24

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

normal to probe axis

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

Calibration is Performed According to the Following Standards:

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

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of
 power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
 calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800MHz. 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).

Parameters of Probe: EX3DV4 - SN:7661

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (μV/(V/m) ²) A	0.62	0.65	0.59	±10.1%
DCP (mV) B	101.5	101.6	101.3	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
מוט	Oddinianioation Oyston Name		dB	dB√μV		dΒ	m۷	dev.	Unc ^E
				, , .					k = 2
0	CW	X	0.00	0.00	1.00	0.00	133.3	±1.1%	±4.7%
J		Y	0.00	0.00	1.00		125.3		
		Z	0.00	0.00	1.00		131.5		
10352	Pulse Waveform (200Hz, 10%)	-	1.49	60.56	6.48	10.00	60.0	±3.4%	±9.6%
.0002	(====, ==,	Y	1.61	61.02	6.47		60.0		
		Z	2.00	62.00	7.00		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	44.00	80.00	11.00	6.99	80.0	±1.9%	±9.6%
10000	(=====, ==, ==, ,	Y	20.00	74.00	9.00		80.0		
	La vice de	Z	44.00	80.00	11.00		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.05	129.66	0.66	3.98	95.0	±2.4%	±9.6%
		Y	0.05	122.72	1.83	1	95.0		
		Z	0.02	126.62	0.87]	95.0		
10355	Pulse Waveform (200Hz, 60%)	X	6.70	159.99	15.53	2.22	120.0	±1.5%	±9.6%
, , , , ,	, ,	Y	1.49	159.09	8.89	1	120.0]	
		Z	7.31	159.95	4.04	1	120.0		
10387	QPSK Waveform, 1 MHz	X	0.68	65.53	13.76	1.00	150.0	±3.9%	±9.6%
	,	Y	0.52	61.21	10.50	1	150.0]	
		Z	0.64	63.59	12.39]	150.0		
10388	QPSK Waveform, 10 MHz	X	1.47	66.61	14.67	0.00	150.0	±1.2%	±9.6%
		Y	1.23	63.50	12.59		150.0		
		Z	1.40	65.20	13.88]	150.0		<u> </u>
10396	64-QAM Waveform, 100 kHz	X	1.56	63.24	15.72	3.01	150.0	±1.3%	±9.6%
		Y	1.50	62.33	14.82		150.0		
ļ		Z	1.55	62.95	15.32		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.91	66.37	15.33	0.00	150.0	±1.7%	±9.6%
		Y	2.73	65.10	14.39		150.0	_	
		Z	2.87	65.81	14.95		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	Х	4.09	66.64	15.78		150.0	±3.3%	±9.6%
		Y		65.82	15.15		150.0	_	
]		Z	4.08	66.20	15.52		150.0		Į

Note: For details on UID parameters see Appendix

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

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

^B Linearization parameter uncertainty for maximum specified field strength.

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

Parameters of Probe: EX3DV4 - SN:7661

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
	10.8	79.66	34.48	0.95	0.00	4.90	0.00	0.00	1.00
	11.2	82.31	34.46	1.89	0.00	4.90	0.00	0.01	1.00
y 7	11.8	87.19	34.59	1.25	0.00	4.90	0.10	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
	-41.2°
Connector Angle	enabled
Mechanical Surface Detection Mode	
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

Parameters of Probe: EX3DV4 - SN:7661

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (<i>k</i> = 2)
750	41.9	0.89	9.46	10.16	10.43	0.34	1.27	±11.0%
835	41.5	0.90	9.22	9.91	10.16	0.34	1.27	±11.0%
1750	40.1	1.37	7.79	8.37	8.59	0.35	1.27	±11.0%
1900	40.0	1.40	7.57	8.13	8.35	0.35	1.27	±11.0%
2300	39.5	1.67	7.34	7.88	8.09	0.35	1.27	±11.0%
2450	39.2	1.80	7.08	7.61	7.81	0.35	1.27	±11.0%
2600	39.0	1.96	7.13	7.65	7.85	0.35	1.27	±11.0%
3500	37.9	2.91	6.40	6.87	7.05	0.35	1.27	±13.1%
3700	37.7	3.12	6.36	6.84	7.01	0.35	1.27	±13.1%
3900	37.5	3.32	6.40	6.87	7.05	0.35	1.27	±13.1%

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

assessed at 13 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than \pm 5% from the target values (typically better than \pm 3%) and are valid for TSL with deviations of up to \pm 10% if SAR correction is applied.

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

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

H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. Therefore, The uncertainty stated is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

June 17, 2024 EX3DV4 - SN:7661

Parameters of Probe: EX3DV4 - SN:7661

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	5.37	5.77	5.92	0.20	1.27	±18.6%
8000	32.7	7.84	5.88	6.32	6.48	0.20	1.27	±18.6%

C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than $\pm 10\%$ from the target values (typically better than $\pm 6\%$)

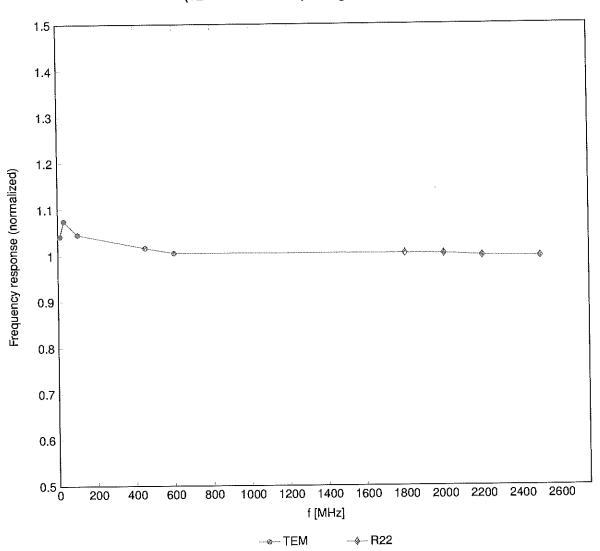
and are valid for TSL with deviations of up to ±10%.

G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.

H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. Therefore, The uncertainty stated is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

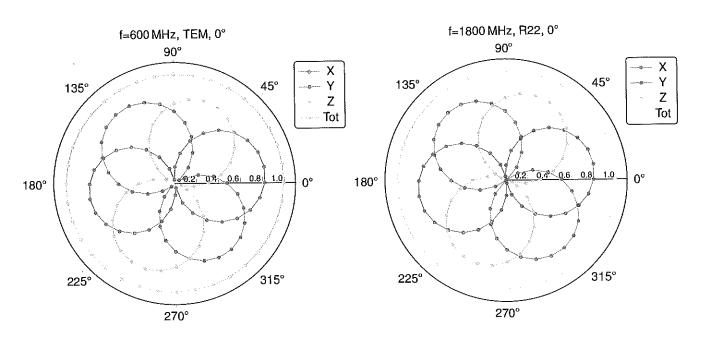
Frequency Response of E-Field

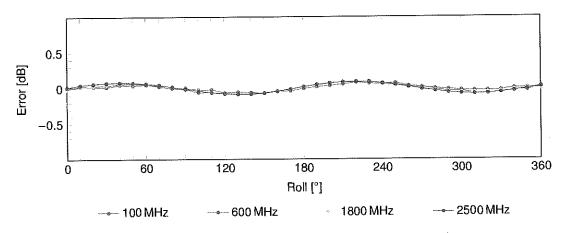
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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

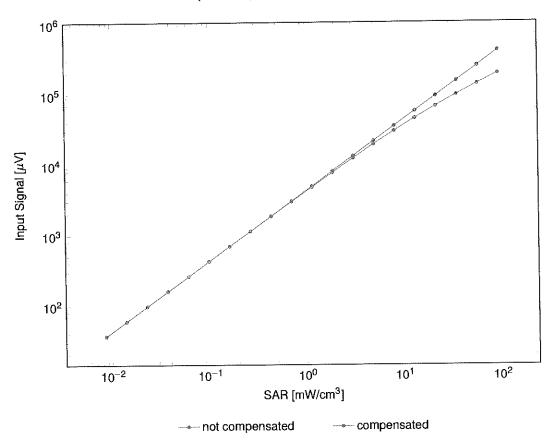


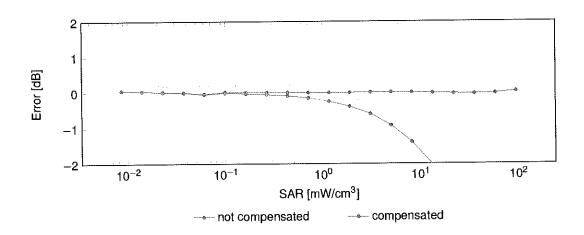


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

Dynamic Range $f(SAR_{head})$

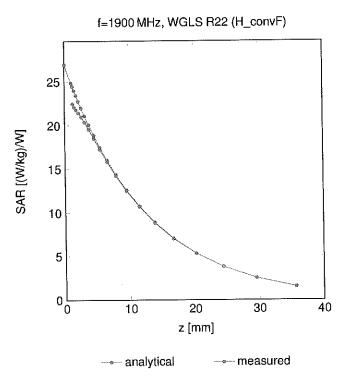
(TEM cell, $f_{eval} = 1900\,\text{MHz})$





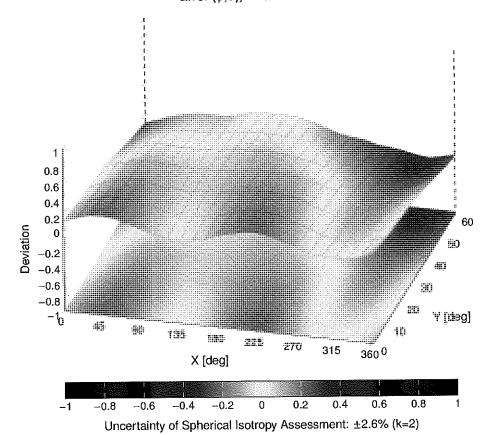
Uncertainty of Linearity Assessment: ±0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ) , f = 900 MHz



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
0.0	1100	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2,91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10012	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10 044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE		WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAE		WLAN	10.12	±9.6
10068	CAE		WLAN	10.24	±9.6
10069			WLAN	10.56	±9.6
10071			WLAN	9.83	±9.6
10072			WLAN	9.62	±9.6
10073		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9,94	±9.6
10074			WLAN	10.30	±9.6
10075			WLAN	10.77	±9.6
10076			WLAN	10.94	±9.6
10077			WLAN	11.00	±9.6
10081		CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082			AMPS	4.77	±9.6
10090	-		GSM	6.56	±9.6
10097			WCDMA	3.98	±9.6
10098			WCDMA	3.98	±9.6
10099			GSM	9.55	±9.6
10100			LTE-FDD	5.67	±9.6
10101		LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102			LTE-FDD	6.60	±9.6
10103			LTE-TDD	9.29	±9.6
10104			LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108			LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110			LTE-FDD	5.75	±9.6
10111		LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

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			Group	PAR (dB)	Unc ^E k = 2
UID	Rev	Communication System Name	LTE-FDD	6.59	±9.6
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	WLAN	8.10	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10115	CAE	IEEE 802,11n (HT Greenfield, 61 Mbps, 64-QAM)	WLAN	8.15	±9.6
10116	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 10.5 Mbps, 16-QAM)	WLAN	8.59	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 31 Mbps, 10-QAM)	WLAN	8.13	±9.6
10119	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10140	CAF CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10141		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10143		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 10-QAM)	LTE-TDD	10.05	±9.6
10 153	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
<u></u>		LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG		LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10170	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10172	CAH		LTE-TDD	9.48	±9.6
10174			LTE-TDD	10.25	±9.6
10175	CAH		LTE-FDD	5.72	±9.6
10176			LTE-FDD	6.52	±9.6
10177		LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178			LTE-FDD	6.52	±9.6
10179			LTE-FDD	6.50	±9.6
10180			LTE-FDD	6.50	±9.6
10 181			LTE-FDD	5.72	±9.6
10182			LTE-FDD	6.52	±9.6
10183			LTE-FDD	6.50	±9.6
10184		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10 185		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186			LTE-FDD	6.50	±9.6
10187			LTE-FDD	5.73	±9.6
10188			LTE-FDD	6.52	±9.6
10189			LTE-FDD	6.50	±9.6
10 193			WLAN	8.09	±9.6
10194			WLAN	8.12	±9.6
10 195			WLAN	8.21	±9.6
10196			WLAN	8.10	±9.6
10197			WLAN	8.13	±9.6
10198			WLAN	8.27	±9.6
			WLAN	8.03	±9.6
10219			WLAN	8.13	±9.6
10219	I CAP				T
10220		IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10220 10221	CAE		WLAN WLAN	8.27 8.06	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)			

	_	O	Group	PAR (dB)	Unc ^E $k=2$
UID 10225	Rev CAC	Communication System Name UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10225	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TOD	10.26	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6 ±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	9.30	±9.6 ±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 ±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	10.09	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TOD	9.29	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.81	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TOD	10.17	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.24	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9,6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TOD	9.83	±9,6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH		LTE-TDD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG		LTE-TDD	10.06	±9.6
10269	CAG	· · · · · · · · · · · · · · · · · · ·	LTE-TDD	10.13	±9.6
10270	CAG		LTE-TDD	9.58	±9.6
10274		UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA WCDMA	4.87	±9.6
10275		UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	PHS	3.96	±9.6
10277		PHS (QPSK)	PHS	11.81	±9.6
10278		PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	12.18	±9.6
10279		PHS (QPSK, BW 884 MHz, Rolloff 0.38)	CDMA2000	3.91	±9.6
10290		CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10291			CDMA2000	3.39	±9.6
10292			CDMA2000	3.50	±9.6
10293		CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10295		LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10297			LTE-FDD	5.72	±9.6
10299			LTE-FDD	6.39	±9.6
10300			LTE-FDD	6.60	±9.6
10301			WiMAX	12.03	±9.6
10302			WiMAX	12.57	±9.6
10303		IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304		IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10305		IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
10306	AAA		WiMAX	14.67	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
10310	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10311	AAA	IDEN 1:3	iDEN	10.51	±9.6
10314	AAA	IDEN 1:6	IDEN	13.48	<u>+</u> 9.6
10314	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10352	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8,54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8,23	±9.6
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434		W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448		LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449		LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450		LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453		Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456		IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457		UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458		CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459		CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8,25	±9.6
10460		UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461			LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10465		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10466			LTE-TDD	8.57	±9.6
		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10467	L VVC		LITE TOD	0.00	±9.6
		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	
10467 10468	AAG		LTE-TDD	8.56	±9.6
10467	AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)			

			Group	PAR (dB)	Unc ^E k = 2
UID	Rev	Communication System Name	LTE-TDD	8.57	±9.6
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10478	AAG AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10479 10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10481	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.99	±9.6
10510		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49 8.51	±9.6
10511		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD	7.74	±9.6
10512			LTE-TDD	8.42	±9.6
10513			LTE-TDD	8.45	±9.6
10514		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	WLAN	1.58	±9.6
10515		IEEE 802.11b WiFi 2.4 GHz (DSSS, 2Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10516			WLAN	1,58	±9.6
10517			WLAN	8.23	±9.6
10518			WLAN	8.39	±9.6
10519			WLAN	8.12	±9.6
10520			WLAN	7.97	±9.6
10521			WLAN	8.45	±9.6
10522			WLAN	8.08	±9.6
10523			WLAN	8.27	±9.6
10525			WLAN	8.36	±9.6
10526			WLAN	8.42	±9.6
10527			WLAN	8.21	±9.6
10528			WLAN	8.36	±9.6
10529			WLAN	8.36	±9.6
10531			WLAN	8.43	±9.6
10532			WLAN	8.29	±9.6
10533			WLAN	8.38	±9.6
10534			WLAN	8.45	±9.6
10535			WLAN	8.45	±9.6
10536			WLAN	8.32	±9.6
10537		IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538		IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540			WLAN	8.39	±9.6

			Group	PAR (dB)	$Unc^{E} k = 2$
UID	Rev	Communication System Name IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.65	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10544 10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFI (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g Wiff 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WL.AN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584		IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585		IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590		IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592		IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593		IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594		IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595		IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596		IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597		IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598		IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599		IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600		IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601		IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602		IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	\rightarrow	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604		IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605		IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
		IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10606	ין אאט				
10606 10607		IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN WLAN	8.64 8.77	±9.6

		O	Group	PAR (dB)	Unc ^E k = 2
UID	Rev	Communication System Name IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10609	AAD AAD	IEEE 802.11ac WiF1 (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10610 10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71 8.85	±9.6 ±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN WLAN	8.74	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.83	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.80	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.81	±9.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.83	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.86	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10639	AAE	IEEE 802.11ac WIFI (180 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648		CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652		LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAE		LTE-TDD	6.96	±9.6
10655		LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAB		Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660			Test	3.98	±9.6
10661			Test	2,22	±9.6 ±9.6
10662			Test	0.97 2.19	±9.6
10670			Bluetooth WLAN	9.09	±9.6
10671			WLAN	8.57	±9.6
10672			WLAN	8.78	±9.6
10673			WLAN	8.74	±9.6
10674			WLAN	8.90	±9.6
10675			WLAN	8.77	±9.6
10676			WLAN	8.73	±9.6
10677			WLAN	8.78	±9.6
10678			WLAN	8.89	±9.6
10679			WLAN	8.80	±9.6
10681			WLAN	8.62	±9.6
10682			WLAN	8.83	±9.6
10683			WLAN	8.42	±9.6
10684			WLAN	8.26	±9.6
10685			WLAN	8.33	±9.6
10686			WLAN	8.28	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duly cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735		IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736		IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737		IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738		IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739		IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6 ±9.6
10740		IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN WLAN	8.40 8.43	±9.6
10742			WLAN	8.43	±9.6
10743			WLAN	9.16	±9.6
10744			WLAN	8.93	±9.6
10745		IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	9.11	±9.6
10746			WLAN	9.11	±9.6
10747		IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.93	±9.6
10748		IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10749			WLAN	8.79	±9.6
10750			WLAN	8.82	±9.6
10751			WLAN	8.81	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	T WENT	1 0.01	1 10.0

,т			Group	PAR (dB)	Unc ^E $k = 2$
UID	Rev	Communication System Name	WLAN	9.00	±9.6
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	8.94	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10760 10761	AAC AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	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	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9,6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29 8.40	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8,44	±9.6
10 787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	1	±9.6
10792		5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10793		5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10794		5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10795		5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10796		5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10797 10798		5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10798		5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10799		5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802		5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10802		5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805		5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10806		5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809		5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDE	8.34	±9.6
10810		5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10812		5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDE	_	±9.6
10817		5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TD0		±9.6
10818		5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDE		±9.6
10819		5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TD		±9.6
10820) AAE		5G NR FR1 TDI		±9.6
10821	AAD		5G NR FR1 TDI		±9.6
10822	2 AAE		5G NR FR1 TDI		±9.6
10823	3 AAF		5G NR FR1 TDI		±9.6
10824	I AAE		5G NR FR1 TDI		±9.6
10825	5 AAF		5G NR FR1 TDI		±9.6
10827	7 AAF		5G NR FR1 TDI		±9.6
10828	3 AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TD	0 8.43	±9.6

			Group	PAR (dB)	Unc ^E k = 2
UID	Rev	Communication System Name	5G NR FR1 TDD	8.40	±9.6
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.63	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10835	AAF AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10836	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6 ±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36 8.34	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.41	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	5.68	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	<u>+</u> 9.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QFSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100 /8 HZ, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10872		5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874		5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875		The second secon	5G NR FR2 TDD	7.78	±9.6
10876		5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877		5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD		±9.6
10878			5G NR FR2 TDD		±9.6
10879	AAE		5G NR FR2 TDD		±9.6
10880	AAE		5G NR FR2 TDD		±9.6
10881	AAE		5G NR FR2 TDD		±9.6 ±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD		
10883	AAE		5G NR FR2 TDD		±9.6 ±9.6
10884			5G NR FR2 TDD		±9.6
10885			5G NR FR2 TDD		±9.6
10886			5G NR FR2 TDD		±9.6
10887			5G NR FR2 TDE		±9,6
10888		100 110 100 111)	5G NR FR2 TDD		±9.6
10889			5G NR FR2 TDD		±9.6
10890			5G NR FR2 TDD		±9.6
10891			5G NR FR2 TDE		±9.6
10897			5G NR FR1 TDD	5.66	±9.6
10898		The state of the s	5G NR FR1 TDE	5.67	±9.6
10899			5G NR FR1 TD	5.67	±9.6
10900			5G NR FR1 TDE	5.68	±9.6
10901			5G NR FR1 TD0		±9.6
10902			5G NR FR1 TDI		±9.6
10903		5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TD0		±9.6
10904		5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TD0		±9.6
10909	5 AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TD		±9.6
10906	6 AAE		5G NR FR1 TDI		±9.6
1090	7 AAE		5G NR FR1 TDI		±9.6 ±9.6
1090		5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDI		±9.6
1090			5G NR FR1 TDI		±9.6
1091	0 AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	JG NITERI EDI	0.00	

			Crous	PAR (dB)	Unc ^E $k=2$
UID	Rev	Communication System Name	Group 5G NR FR1 TDD	5.93	±9,6
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10921	AAC AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10922	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83 5.85	±9.6 ±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD		±9.6
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	1	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD		±9.6
10949		5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	<u> </u>	±9.6
10950			5G NR FR1 FDD		±9.6
10951			5G NR FR1 FDD		±9.6
10952		The state of the s	5G NR FR1 FDD	8.15	±9.6
10953		The state of the s	5G NR FR1 FDD		±9.6
10954			5G NR FR1 FDD		±9.6
10956			5G NR FR1 FDD	8.14	±9.6
10956		The state of the s	5G NR FR1 FDD	8.31	±9.6
10958			5G NR FR1 FDD		±9.6
10959			5G NR FR1 FDD		±9.6
10960			5G NR FR1 TDD		±9.6
10961			5G NR FR1 TDD		±9.6
10962		5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD		±9.6
10963		5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD		±9.6
10964			5G NR FR1 TDE		±9.6
10965		5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDE		±9.6
10966	AAB		5G NR FR1 TDI		±9.6
10967	' AAC		5G NR FR1 TDE		±9.6
10968	3 AAD		5G NR FR1 TDI		±9.6 ±9.6
10972	2 AAC		5G NR FR1 TDI		±9.6
10973	3 AAD		5G NR FR1 TDI		±9.6
10974			5G NR FR1 TDI	1.16	±9.6
10978			ULLA	8.58	±9.6
10979			ULLA	10.32	±9.6
10980			ULLA	3.19	±9.6
10981			ULLA	3.43	±9.6
10982	2 AAA	ULLA HDRp8	OLGIT	_1	

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11 009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11 023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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