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

## **IMPORTANT NOTICE**

#### **USAGE OF THE DAE4**

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

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

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

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

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

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

#### Important Note:

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

#### Important Note:

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

#### Important Note:

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

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





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

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates Accreditation No.: SCS 0108

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Client

BTL

Guangdong

Certificate No: DAE4-1390 Nov23

## CALIBRATION CERTIFICATE

Object

DAE4 - SD 000 D04 BM - SN: 1390

Calibration procedure(s)

QA CAL-06.v30

Calibration procedure for the data acquisition electronics (DAE)

Calibration date:

November 20, 2023

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)

ID#	Cal Date (Certificate No.)	Scheduled Calibration
SN: 0810278	29-Aug-23 (No:37421)	Aug-24
ID#	Check Date (in house)	Scheduled Check
SE UWS 053 AA 1001	27-Jan-23 (in house check)	In house check: Jan-24
SE UMS 006 AA 1002	27-Jan-23 (in house check)	In house check: Jan-24
	SN: 0810278  ID #  SE UWS 053 AA 1001	SN: 0810278 29-Aug-23 (No:37421)

Name

Function

Calibrated by:

Dominique Steffen

Laboratory Technician

Approved by:

Sven Kühn

Technical Manager

Issued: November 20, 2023

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Certificate No: DAE4-1390\_Nov23

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#### Glossary

DAE data acquisition electronics

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

coordinate system.

#### Methods Applied and Interpretation of Parameters

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

Certificate No: DAE4-1390\_Nov23 Page 2 of 5

## **DC Voltage Measurement**

A/D - Converter Resolution nominal

High Range:  $1LSB = 6.1 \mu V$ , full range = -100...+300 mVLow Range: 1LSB = 61 nV, full range = -1......+3 mVDASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	Х	Υ	Z
High Range	403.648 ± 0.02% (k=2)	403.363 ± 0.02% (k=2)	404.248 ± 0.02% (k=2)
Low Range	3.97919 ± 1.50% (k=2)	4.00189 ± 1.50% (k=2)	3.98317 ± 1.50% (k=2)

## **Connector Angle**

Connector Angle to be used in DASY system	138.5 ° ± 1 °

Certificate No: DAE4-1390\_Nov23 Page 3 of 5

## Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	199994.39	-0.81	-0.00
Channel X	+ Input	20003.32	0.96	0.00
Channel X	- Input	-20000.11	2.00	-0.01
Channel Y	+ Input	199994.73	-0.61	-0.00
Channel Y	+ Input	20000.78	-1.50	-0.01
Channel Y	- Input	-20002.76	-0.65	0.00
Channel Z	+ Input	199995.21	0.11	0.00
Channel Z	+ Input	20001.06	-1.31	-0.01
Channel Z	- Input	-20004.20	-2.10	0.01

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2001.19	0.06	0.00
Channel X + Input	201.66	0.20	0.10
Channel X - Input	-198.12	0.26	-0.13
Channel Y + Input	2000.80	-0.24	-0.01
Channel Y + Input	200.34	-0.98	-0.48
Channel Y - Input	-199.52	-1.15	0.58
Channel Z + Input	2001.11	0.13	0.01
Channel Z + Input	200.68	-0.56	-0.28
Channel Z - Input	-199.21	-0.77	0.39

## 2. Common mode sensitivity

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

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	-3.15	-4.77
	- 200	5.90	4.16
Channel Y	200	15.27	15.33
	- 200	-18.74	-18.54
Channel Z	200	13.80	13.68
	- 200	-15.50	-15.89

#### 3. Channel separation

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

	Input Voltage (mV)	Channel X (μV)	Channel Y (µV)	Channel Z (μV)
Channel X	200	-	1.06	-4.60
Channel Y	200	9.39	3	3.86
Channel Z	200	9.60	6.21	4

## 4. AD-Converter Values with inputs shorted

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

	High Range (LSB)	Low Range (LSB)
Channel X	16122	15265
Channel Y	15812	15788
Channel Z	15724	14975

## 5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec Input  $10M\Omega$ 

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (µV)
Channel X	1.41	0.40	2.88	0.39
Channel Y	-0.93	-2.06	0.36	0.39
Channel Z	-0.45	-1.76	0.41	0.37

## 6. Input Offset Current

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

7. Input Resistance (Typical values for information)

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

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

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

9. Power Consumption (Typical values for information)

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

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Guangdong

Certificate No.

EX-7693 Oct23

### **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7693

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

October 31, 2023

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	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
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)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013_Jan23)	Jan-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

Calibrated by

Claudio Leubier

Laboratory Technician

Approved by

Sven Kühn

Technical Manager

Issued: October 31, 2023

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Page 1 of 22

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#### Glossary

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

ConvF

sensitivity in TSL / NORMx,y,z

DCP

diode compression point

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

Polarization ω

 $\varphi$  rotation around probe axis

Polarization #

 $\theta$  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 θ = 0 (f ≤ 900MHz in TEM-cell; f > 1800MHz: 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).

## Parameters of Probe: EX3DV4 - SN:7693

#### **Sensor Model Parameters**

	C1	C2	α	T1 _	T2	Т3	T4_	T5	T6
	fF	fF	V <sup>-1</sup>	msV <sup>-2</sup>	ms V <sup>-1</sup>	ms	V-2	V <sup>-1</sup>	
Х	7.6	53.16	31.84	4.84	0.00	4.91	0.71	0.00	1.00
У	7.2	50.85	31.80	4.39	0.00	4.90	0.64	0.00	1.00
Z	9.7	70.02	33.50	2.79	0.00	4.90	0.62	0.00	1.00

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	90.6°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

#### Parameters of Probe: EX3DV4 - SN:7693

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	Сопу Т	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
750	41.9	0.89	10.74	10.74	10.74	0.40	0.94	±12.0%
835	41.5	0.90	10.38	10.38	10.38	0.28	1.18	±12.0%
1750	40.1	1.37	8.51	8.51	8.51	0.26	0.86	±12.0%
1900	40.0	1.40	8.42	8.42	8.42	0.24	0.86	±12.0%
2100	39.8	1.49	8.41	8.41	8.41	0.23	0.86	±12.0%
2300	39.5	1.67	8.37	8.37	8.37	0.27	0.90	±12.0%
2450	39.2	1.80	8.33	8.33	8.33	0.25	0.90	±12.0%
2600	39.0	1.96	8.20	8.20	8.20	0.12	0.90	±12.0%
3300	38.2	2.71	7.45	7.45	7.45	0.30	1.35	±14.0%
3500	37.9	2.91	7.38	7.38	7.38	0.30	1.35	±14.0%
3700	37.7	3.12	7.21	7.21	7.21	0.30	1.35	±14.0%
3900	37.5	3.32	7.18	7.18	7.18	0.40	1.60	±14.0%
4100	37.2	3.53	6.96	6.96	6.96	0.40	1.60	±14.0%
4200	37.1	3.63	6.72	6.72	6.72	0.40	1.70	±14.0%
4400	36.9	3.84	6.52	6.52	6.52	0.40	1.70	±14.0%
4600	36.7	4.04	6.35	6.35	6.35	0.40	1.70	±14.0%
4800	36.4	4.25	6.34	6.34	6.34	0.40	1.80	±14.0%
4950	36.3	4.40	6.09	6.09	6.09	0.40	1.80	±14.0%
5250	35.9	4.71	5.56	5.56	5.56	0.40	1.80	±14.0%
5600	35.5	5.07	4.85	4.85	4.85	0.40	1.80	±14.0%
5750	35.4	5.22	5.11	5.11	5.11	0.40	1.80	±14.0%
5850	35.2	5.32	4.96	4.96	4.96	0.40	1.80	±14.0%

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

Certificate No: EX-7693\_Oct23

assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$ 110 MHz. F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  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 TSL with deviations from the target of less than  $\pm$ 5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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.

October 31, 2023 EX3DV4 - SN:7693

## Parameters of Probe: EX3DV4 - SN:7693

#### **Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
6500	34.5	6.07	5.80	5.80	5.80	0.20	<b>2</b> .50	±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

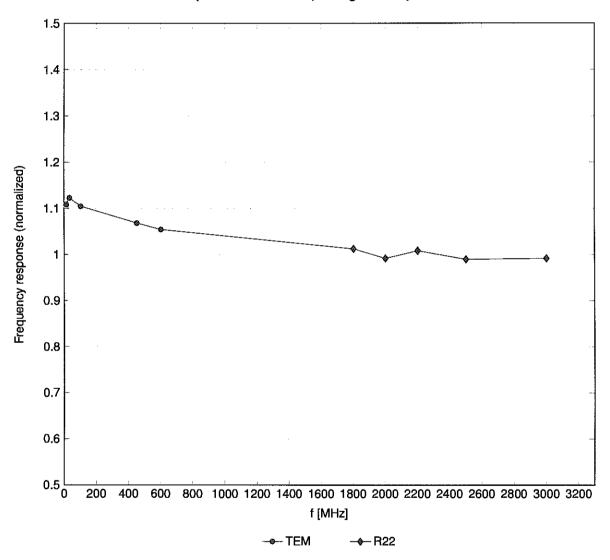
Certificate No: EX-7693\_Oct23 Page 6 of 22

frequency and the uncertainty for the indicated frequency band. F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  by less than  $\pm 10\%$  from the target values (typically better than  $\pm 6\%$ ) and are valid for TSL with deviations of up to  $\pm 10\%$ .

<sup>&</sup>lt;sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; 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.

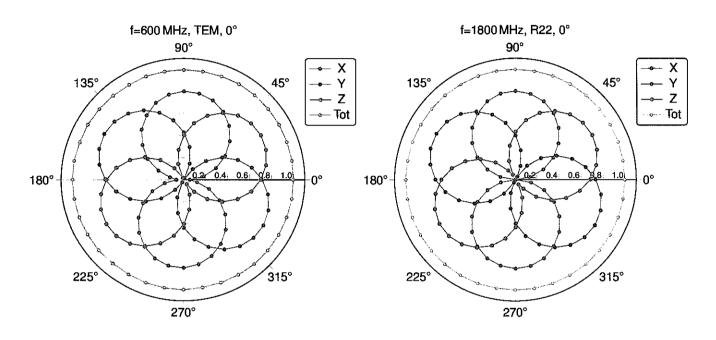
## Frequency Response of E-Field

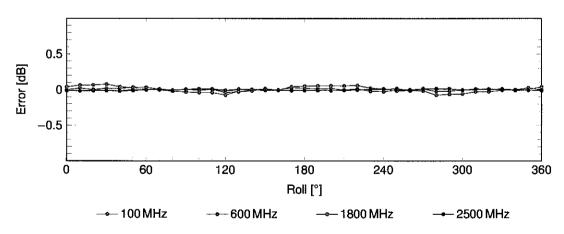
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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





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

# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
0		CW	CW	0.00	±4.7
10010	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
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 1.87	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3) IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth Bluetooth	1.16	±9.6 ±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	ÇAB	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	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/n 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, PV4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
	CAC	UMTS-FDD (HSDPA) UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10098	CAC	EDGE-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	GSM LTE-FDD	9.55 5.67	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6 ±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-TDD	9.29	±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	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6
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October 31, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10:112	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	CAD	IEEE 802,11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	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-FDÐ	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, 3MHz, 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	CALL	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-TOD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)  LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.75 6.43	±9.6 ±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% HB, 10 MHz, 16-QAM)	LTE-FDD 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-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176 10177	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
	CAU	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD LTE-FDD	6.50 6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	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, 3MHz, 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	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAD	IEEE 802.11π (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.2Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222 10223	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.48	±9.6
10224	OAD	ILLE GOZ. I III (III IVIIXEG, 150 IVIDPS, 64-QAW)	WLAN	8.08	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> 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	9.48	±9.6
10233	CAH	, , , , , , , , , , , , , , , , , , , ,	LTE-TDD	10.25	±9.6
10234	CAH		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-TOD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 ±9.6
10233	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
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, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	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	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TOD	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-TOD	10.08	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.34	±9.6 ±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-TDD	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 (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH	(	LTE-TDD	10.07	±9.6
10267	CAH		LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	, , , , , , , , , , , , , , , , , , , ,	LTE-TDD	10.13	±9.6
10270	CAG	LITE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274 10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	4.87	±9.6
10275	CAC	PHS (QPSK)	WCDMA PHS	3.96	±9.6
10277	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)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10305	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	15.24	±9.6
.0000	1,170	THE SOLUTION THINKING (CO.TO, TOTHS, TOTHINIZ, UNIQUIN, FUGU, TO SYMBOLS)	AAIIAIVV	14.67	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
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
10314	AAA	iDEN 1:6	iDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	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	AAC	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	AAC	IEEE 802.11n (HT Greenfield, 7,2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5MHz, 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	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±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	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	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%) Validation (Square, 10 ms, 1 ms)	WCDMA	7.59	±9.6
10453	AAE		Test	10.00	±9.6
10456 10457	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA)	WLAN	8.63	±9.6
	AAB		WCDMA	6.62	±9.6
10458 10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	6.55	±9.6
10459	AAA	UMTS-FDD (WCDMA, AMR)	CDMA2000	8.25	±9.6
10460	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA	2.39	±9.6
10461	AAC		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 (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463	AAD	LTE-TDD (SC-PDMA, 1 RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	±9.6
10464	AAD		LTE-TOD	7.82	±9.6
		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	AAD AAG	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-TOD	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 (SC-FDMA, 1 RB, 5 MHz, 64-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 (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
104/1	~~0	LIE-100 (GO-FDIMA, I RD, IUMAZ, IO-GAMI, UE SUDIRAME=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> <i>k</i> = 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-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-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	±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 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 (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74 8.41	±9.6
10492	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 ±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-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	±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, 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-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, 15MHz, 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 10514	AAG 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	AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	LTE-TDD	8.45	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN WLAN	1.58	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23 8.39	±9.6 ±9.6
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538 10540	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.54	±9.6
10340	AAC	TELE OCE. I Tab WIFT (40 MIEZ, MICOO, 99PC QULY CYCIE)	WLAN	8.39	±9.6

October 31, 2023

LZID	<b></b> 1	A	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
UID 10541	Rev	Communication System Name IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	Group WLAN	8.46	±9.6
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8,47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAD	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 10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN WLAN	8.10 8.30	±9.6 ±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty 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	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79 8.64	±9.6 ±9.6
10593	AAC	IEEE 802.11n (H1 Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> <i>k</i> = 2
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636 10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN WLAN	8.79	±9.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.86 8.85	±9.6 ±9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAD	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)	CDMA2000	3.45	±9.6
10652	AAF	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 (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	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	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 10673	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 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
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN WLAN	8.90 8.77	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6 ±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	IEEE 802.11ax (20 MHz, MCS0, 99pc 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, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6
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October 31, 2023

UID   Rev   Communication System Name   Group   PAR (dB)   UID   10687   AAC   IEEE 802.11ax (20 MHz, MCS6, 99c duty cycle)   WILAN   8.45   10689   AAC   IEEE 802.11ax (20 MHz, MCS6, 99c duty cycle)   WILAN   8.29   10689   AAC   IEEE 802.11ax (20 MHz, MCS6, 99c duty cycle)   WILAN   8.29   10689   AAC   IEEE 802.11ax (20 MHz, MCS7, 99c duty cycle)   WILAN   8.29   10689   AAC   IEEE 802.11ax (20 MHz, MCS8, 99c duty cycle)   WILAN   8.29   10689   AAC   IEEE 802.11ax (20 MHz, MCS8, 99c duty cycle)   WILAN   8.29   10689   AAC   IEEE 802.11ax (20 MHz, MCS8, 99c duty cycle)   WILAN   8.25   10684   AAC   IEEE 802.11ax (20 MHz, MCS10, 99c duty cycle)   WILAN   8.25   10684   AAC   IEEE 802.11ax (20 MHz, MCS11, 99c duty cycle)   WILAN   8.57   10895   AAC   IEEE 802.11ax (40 MHz, MCS11, 99c duty cycle)   WILAN   8.57   10896   AAC   IEEE 802.11ax (40 MHz, MCS1, 90c duty cycle)   WILAN   8.91   10697   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.91   10698   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.61   10698   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.61   10699   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.89   10699   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.89   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86   10700   AAC   IEEE 802.11ax (40 MHz, MCS3, 90c duty cycle)   WILAN   8.86	±9.6 ±9.6
10688 AAC   IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)   WILAN   8.29	
10689	
10690	±9.6
10691 AAC   IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)   WLAN   8.25     10692 AAC   IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)   WLAN   8.25     10693 AAC   IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)   WLAN   8.25     10694 AAC   IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)   WLAN   8.25     10695 AAC   IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)   WLAN   8.76     10696 AAC   IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)   WLAN   8.91     10697 AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.91     10698 AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.91     10699 AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.89     10699 AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.89     10700 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.73     10701 AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.73     10701 AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.86     10702 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.86     10703 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.82     10704 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.82     10705 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.82     10706 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.89     10707 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.89     10708 AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.89     10709 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.80     10701 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.80     10703 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.80     10704 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.80     10707 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.80     10708 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.80     10710 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN	±9.6
10692 AAC   IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)   WLAN   8.29     10693 AAC   IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)   WLAN   8.25     10694 AAC   IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)   WLAN   8.57     10695 AAC   IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)   WLAN   8.78     10696 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.91     10697 AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.91     10698 AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.61     10698 AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.89     10699 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.89     10699 AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.82     10700 AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.73     10701 AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.86     10702 AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.70     10703 AAC   IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)   WLAN   8.80     10704 AAC   IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)   WLAN   8.82     10705 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.86     10706 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.86     10707 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.56     10708 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.66     10707 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.69     10708 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.69     10709 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.69     10710 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.33     10711 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.39     10712 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.39     10713 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.48     10714 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN	±9.6
10693	±9.6
10694   AAC   IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	±9.6
10695 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.78     10696 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.91     10697 AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.89     10698 AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.89     10699 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.89     10700 AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.73     10701 AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.86     10702 AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8.70     10703 AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8.82     10704 AAC   IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)   WLAN   8.82     10705 AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.56     10706 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.69     10706 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.69     10707 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.69     10708 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.32     10709 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.32     10709 AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.33     10710 AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.33     10710 AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.33     10711 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.39     10712 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.36     10713 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.36     10716 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.36     10717 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.36     10718 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.45     10719 AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.48     10719 AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8	±9.6
10696   AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.91     10697   AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.61     10698   AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.89     10699   AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.82     10700   AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.73     10701   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.86     10702   AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8.70     10703   AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8.82     10704   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.82     10705   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.69     10706   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.69     10707   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.66     10707   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.32     10708   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.32     10709   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.33     10710   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.35     10710   AAC   IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)   WLAN   8.33     10711   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.39     10712   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.31     10713   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.36     10715   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.45     10716   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.45     10717   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.45     10718   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.48     10720   AA	±9.6
10697   AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.61     10698   AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.89     10699   AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.82     10700   AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.73     10701   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.76     10702   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.70     10703   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.82     10704   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.56     10705   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.69     10706   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.69     10707   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.69     10708   AAC   IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)   WLAN   8.32     10709   AAC   IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)   WLAN   8.35     10709   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.33     10710   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.39     10711   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.39     10712   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.39     10713   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.31     10714   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.36     10715   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.36     10716   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.46     10717   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.46     10718   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.81     10720   AAC	±9.6
10698   AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.89     10699   AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.82     10700   AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.73     10701   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.86     10702   AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8.86     10703   AAC   IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)   WLAN   8.82     10704   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.56     10705   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.69     10706   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.69     10707   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.69     10708   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.32     10708   AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.32     10709   AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.33     10710   AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.29     10711   AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.39     10712   AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.39     10714   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.33     10714   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.36     10715   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.45     10716   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.45     10716   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.45     10717   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.45     10719   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.45     10719   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.46     10719   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.81     10720   AAC	±9.6
10700   AAC   IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle)   WLAN   8.73     10701   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.86     10702   AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8.70     10703   AAC   IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)   WLAN   8.82     10704   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.56     10705   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.69     10706   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.66     10707   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.32     10708   AAC   IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)   WLAN   8.35     10709   AAC   IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)   WLAN   8.33     10710   AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.39     10711   AAC   IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)   WLAN   8.39     10712   AAC   IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)   WLAN   8.39     10713   AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.37     10714   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.67     10715   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.26     10716   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.45     10716   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.45     10716   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.46     10716   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.46     10717   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.46     10719   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)   WLAN   8.81     10720   AAC   IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)   WLAN   8.81     10720   AAC   IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)   WLAN   8.87	±9.6
10700   AAC   IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)   WLAN   8.73     10701   AAC   IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)   WLAN   8.86     10702   AAC   IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)   WLAN   8.70     10703   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.82     10704   AAC   IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)   WLAN   8.56     10705   AAC   IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)   WLAN   8.69     10706   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.66     10707   AAC   IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)   WLAN   8.32     10708   AAC   IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)   WLAN   8.35     10709   AAC   IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)   WLAN   8.33     10710   AAC   IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)   WLAN   8.33     10711   AAC   IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)   WLAN   8.29     10712   AAC   IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)   WLAN   8.39     10712   AAC   IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)   WLAN   8.36     10713   AAC   IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)   WLAN   8.67     10715   AAC   IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)   WLAN   8.26     10716   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.45     10716   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.45     10716   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.46     10717   AAC   IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)   WLAN   8.48     10718   AAC   IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)   WLAN   8.48     10719   AAC   IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)   WLAN   8.87	±9.6
10702         AAC         IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)         WLAN         8.70           10703         AAC         IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)         WLAN         8.82           10704         AAC         IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)         WLAN         8.56           10705         AAC         IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)         WLAN         8.69           10706         AAC         IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)         WLAN         8.66           10707         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.32           10708         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.26	±9.6
10702         AAC         IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)         WLAN         8.70           10703         AAC         IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)         WLAN         8.82           10704         AAC         IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)         WLAN         8.56           10705         AAC         IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)         WLAN         8.69           10706         AAC         IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)         WLAN         8.66           10707         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.32           10708         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.45	±9.6
10703         AAC         IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)         WLAN         8.82           10704         AAC         IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)         WLAN         8.56           10705         AAC         IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)         WLAN         8.69           10706         AAC         IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)         WLAN         8.66           10707         AAC         IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)         WLAN         8.32           10708         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)         WLAN         8.26	±9.6
10704         AAC         IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)         WLAN         8.56           10705         AAC         IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)         WLAN         8.69           10706         AAC         IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)         WLAN         8.66           10707         AAC         IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)         WLAN         8.32           10708         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.35           10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.45	±9.6
10705         AAC         IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)         WLAN         8.69           10706         AAC         IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)         WLAN         8.66           10707         AAC         IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)         WLAN         8.32           10708         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.48	±9.6
10707         AAC         IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)         WLAN         8.32           10708         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10717         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.81	±9.6
10708         AAC         IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)         WLAN         8.55           10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.30           10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81	±9.6
10709         AAC         IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)         WLAN         8.33           10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.30           10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87  <	±9.6
10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.30           10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10710         AAC         IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)         WLAN         8.29           10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.30           10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10711         AAC         IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)         WLAN         8.39           10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.30           10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10712         AAC         IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)         WLAN         8.67           10713         AAC         IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)         WLAN         8.33           10714         AAC         IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)         WLAN         8.26           10715         AAC         IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)         WLAN         8.45           10716         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.30           10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10714       AAC       IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)       WLAN       8.26         10715       AAC       IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)       WLAN       8.45         10716       AAC       IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)       WLAN       8.30         10717       AAC       IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)       WLAN       8.48         10718       AAC       IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)       WLAN       8.24         10719       AAC       IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)       WLAN       8.81         10720       AAC       IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)       WLAN       8.87	±9.6
10715       AAC       IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)       WLAN       8.45         10716       AAC       IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)       WLAN       8.30         10717       AAC       IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)       WLAN       8.48         10718       AAC       IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)       WLAN       8.24         10719       AAC       IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)       WLAN       8.81         10720       AAC       IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)       WLAN       8.87	±9.6
10716         AAC         IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)         WLAN         8.30           10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10717         AAC         IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)         WLAN         8.48           10718         AAC         IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)         WLAN         8.24           10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10719         AAC         IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)         WLAN         8.81           10720         AAC         IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)         WLAN         8.87	±9.6
10720 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.87	±9.6
	±9.6
10721 AAC   IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)   WI AN   9.76	±9.6
1	±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 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
10750 AAC IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) WLAN 8.79	±9.6
10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) WLAN 8.82	
10752   AAC   IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)   WLAN   8.81	±9.6

UID	Do.	Communication Custom Name	Graun	DAD (dD)	Unc <sup>E</sup> k = 2
UID 10753	Rev	Communication System Name 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)  5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	WLAN 5G NR FR1 TDD	8.51 7.99	±9.6 ±9.6
10767	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99 8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, 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	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAD	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	AAD	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, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781 10782	AAD AAD	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 (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.43 8.31	±9.6 ±9.6
10784	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795 10796	AAD	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
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.82 8.01	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MRz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.41 8.41	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

16829   AAD   36 RR (CP-OPDM, 1007, RS, 100MHz, QPSK, 50MHz)   55 NR FRH TIDD   7.83   ±9.8   16831   AAD   56 NR (CP-OPDM, 1 RR, 1 0 MHz, QPSK, 50MHz)   55 NR FRH TIDD   7.73   ±9.6   16831   AAD   56 NR (CP-OPDM, 1 RR, 1 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.77   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.77   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.70   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.70   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   50 NR FRH TIDD   7.70   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   50 NR FRH TIDD   7.70   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   50 NR FRH TIDD   7.70   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   50 NR FRH TIDD   7.70   ±9.6   16832   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   50 NR FRH TIDD   7.70   ±9.6   16941   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.70   ±9.6   16941   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.70   ±9.6   16941   AAD   56 NR (CP-OPDM, 1 RR, 2 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.71   ±9.6   16941   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.71   ±9.6   16943   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   7.71   ±9.6   16943   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   5.34   ±9.6   16943   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   5.34   ±9.6   16943   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   5.34   ±9.6   16943   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   5.34   ±9.6   16943   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   5.34   ±9.6   16943   AAD   56 NR (CP-OPDM, 50 RR, 8 0 MHz, QPSK, 50MHz)   56 NR FRH TIDD   5.34   ±9.6   16943   AAD   56 NR (CP-OPDM, 5	UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
1082  AAD   56 NR (CP-OPEN, 1 RR, 2 5MHz, CPEK, 60Hz)   50 NR FRT TOD   7.74   49.6			· · · · · · · · · · · · · · · · · · ·	5G NR FR1 TDD	8.40	±9.6
10825 ADD 69 NR (CP-OPEN, 1 RR, 2 8MEV, CPSK, 6014t)	10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
TORSEL AND SEN INC (POP OFFER). THE SUMPLY COPEN, 601-bit)   SEN INFERT TIDD   7.70   59.6	10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
1985   ADD   SG NPT (CPC PFEM, 1 FB, 40 MHz, CPSK, 60 MHz)	10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
TOBSE   AAD   SC NIN (CP-OFEM, 178, 30MHz, OPSK, 60MHz)   SC NIN FRI TIDD   7.70   5.8	10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD		
1988   AAD   SG NR (PCP-OFEM, 1 RB, 80 MHz, CPSK, 60 MHz)   SG NR FRH TIDD   7.66   ±9.8						
1985   ADD   50 NIN (CP-OPEM, 1 RB, 50 MHz, OPSK, 50 MHz)						
1888   AAD   50 NR (CP-OFDM, 1R9, 80MHz, OPSK, 60MHz)		1				1
16981 AD SN R (PO-POIL 1R), SOME, OPSK (SOME)   SS NR FFI TOD 7.71						
10941   AAD   SO NR (CP-OFDM, 198, 100MHz, OPSK, 60HHz)   50 MR FRI TIDD   7.71   ±9.6   10943   AAD   50 NR (CP-OFDM, 50% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.49   ±9.6   10944   AAD   50 NR (CP-OFDM, 50% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.41   ±9.6   10954   AAD   50 NR (CP-OFDM, 50% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.41   ±9.6   10955   AAD   50 NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.34   ±9.6   10955   AAD   50 NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.38   ±9.6   10955   AAD   50 NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.38   ±9.6   10055   AAD   50 NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.37   ±9.5   10055   AAD   50 NR (CP-OFDM, 100% RB, 20MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.37   ±9.5   10055   AAD   50 NR (CP-OFDM, 100% RB, 30MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.35   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 30MHz, OPSK, 60HHz)   50 MR FRI TIDD   8.35   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 30MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.35   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.34   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.34   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.40   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.40   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.40   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.41   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.41   ±9.6   10056   AAD   50 NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60HHz)   50 NR FRI TIDD   8.41   ±9.6   10056   AAD   50 NR (CPF-OFDM, 100% RB, 50MHz, OPSK, 50HHz)   50 NR FRI TIDD   8.41   ±9.6   10056   AAD   50 NR (CPF-OFDM, 100% RB, 50MHz, OPSK, 50MHz)   50 NR FRI TIDD   5.68   ±9.6   10056   AAD   50 NR (CPF						
1998   ADD   SO NR (ICP-OFDM, 50% RB, 15 MHz, CPSK, 600 Hz)   SO NR (ICP-OFDM, 50% RB, 70 MHz, CPSK, 600 Hz)   SO NR (ICP-OFDM, 50% RB, 70 MHz, CPSK, 600 Hz)   SO NR (ICP-OFDM, 50% RB, 70 MHz, CPSK, 600 Hz)   SO NR (ICP-OFDM, 50% RB, 70 MHz, CPSK, 600 Hz)   SO NR ICP-OFDM, 50% RB, 70 MHz, CPSK, 600 Hz)   SO NR ICP-OFDM, 50% RB, 15 MHz, CPSK, 600 Hz)   SO NR ICP-OFDM, 50% RB, 15 MHz, CPSK, 600 Hz)   SO NR ICP-OFDM, 50% RB, 15 MHz, CPSK, 600 Hz)   SO NR ICP-OFDM, 50% RB, 15 MHz, CPSK, 600 Hz)   SO NR ICP-OFDM, 50% RB, 50% RB, 15 MHz, CPSK, 600 Hz)   SO NR ICP-OFDM, 50% RB, 50						
1994   AAD   GR NR (CP-CPEM, 50% RB, 20ME), CPSK, 60ME)   SS NN FRH TDD   8.41   ±9.6   1994   AAD   GR NR (CP-CPEM, 50% RB, 20ME), CPSK, 60ME)   SS NN FRH TDD   8.41   ±9.6   1995   AAD   GR NR (CP-CPEM, 100% RB, 10ME), CPSK, 60ME)   SS NN FRH TDD   8.34   ±9.6   1995   AAD   GR NR (CP-CPEM, 100% RB, 10ME), CPSK, 60ME)   SS NN FRH TDD   8.36   ±9.6   1995   AAD   SG NR (CP-CPEM, 100% RB, 20ME), CPSK, 60ME)   SS NR FRH TDD   8.37   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 20ME), CPSK, 60ME)   SS NR FRH TDD   8.37   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 20ME), CPSK, 60ME)   SS NR FRH TDD   8.37   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 20ME), CPSK, 60ME)   SS NR FRH TDD   8.38   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 30ME), CPSK, 60ME)   SS NR FRH TDD   8.38   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 30ME), CPSK, 60ME)   SG NR FRH TDD   8.38   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 30ME), CPSK, 60ME)   SG NR FRH TDD   8.34   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 30ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 30ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 30ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 30ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 50ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 50ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 50ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM, 100% RB, 50ME), CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM), 100% RB, 50ME, CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM), 100% RB, 50MHz, CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM), 100% RB, 50MHz, CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM), 100% RB, 50MHz, CPSK, 60ME)   SG NR FRH TDD   8.41   ±9.6   AAD   SG NR (CP-CPEM), 100% RB, 50MHz, CPSK, 50MHz,						
1996   AAD   5G NR (CP-OFDM, 50% RB, 30MHz, OPSK, 60Hz)   5G NN FRH TDD   8.44   49.6   1955   AAD   5G NR (CP-OFDM, 100% RB, 100Hz, OPSK, 60Hz)   5G NN FRH TDD   8.36   49.6   1955   AAD   5G NR (CP-OFDM, 100% RB, 100Hz, OPSK, 60Hz)   5G NR FRH TDD   8.37   49.6   1955   AAD   5G NR (CP-OFDM, 100% RB, 50Hz, OPSK, 60Hz)   5G NR FRH TDD   8.37   49.6   1955   AAD   5G NR (CP-OFDM, 100% RB, 25MHz, OPSK, 60Hz)   5G NR FRH TDD   8.36   49.6						
10955   AAD   60 RN (CP-OFDM, 100% RB, 10MHz, OPSK, 60 MHz)   50 RN FRI TIDD   8.34   ±9.6						
10855   AAD   60 RN (CP-OFDM, 100% RB, 15MHz, OPSK, 60 MHz)   56 NN FRI TIDD   8.39   ±9.6					8.34	±9.6
1985   AAD   66 NR (GP-GFDM, 100% RB, 29MHz, QPSK, 69MHz)   56 NR FRI TDD   8.35   9.86   10859   AAD   56 NR (GP-GFDM, 100% RB, 30MHz, QPSK, 69MHz)   56 NR FRI TDD   8.35   9.86   10859   AAD   56 NR (GP-GFDM, 100% RB, 40MHz, QPSK, 69MHz)   56 NR FRI TDD   8.34   9.86   10850   AAD   56 NR (GP-GFDM, 100% RB, 40MHz, QPSK, 69MHz)   56 NR FRI TDD   8.41   9.96   10851   AAD   56 NR (GP-GFDM, 100% RB, 50MHz, QPSK, 69MHz)   56 NR FRI TDD   8.41   9.96   10853   AAD   56 NR (GP-GFDM, 100% RB, 50MHz, QPSK, 69MHz)   56 NR FRI TDD   8.40   9.96   10858   AAD   56 NR (GP-GFDM, 100% RB, 50MHz, QPSK, 69MHz)   56 NR FRI TDD   8.41   9.96   10858   AAD   56 NR (GP-GFDM, 100% RB, 50MHz, QPSK, 69MHz)   56 NR FRI TDD   8.47   9.96   10858   AAD   56 NR (GP-GFDM, 100% RB, 50MHz, QPSK, 69MHz)   56 NR FRI TDD   8.41   9.96   10858   AAD   56 NR (GP-GFDM, 100% RB, 50MHz, QPSK, 69MHz)   56 NR FRI TDD   8.41   9.96   10858   AAD   56 NR (GP-GFDM, 100% RB, 50MHz, QPSK, 69MHz)   56 NR FRI TDD   5.88   9.96   10858   AAD   56 NR (GP-GFDM, 100% RB, 100MHz, QPSK, 50MHz)   56 NR FRI TDD   5.89   9.96   10858   AAD   56 NR (GPF-GFDM, 100% RB, 100MHz, QPSK, 50MHz)   56 NR FRI TDD   5.89   9.96   10859   AAD   56 NR (GPF-GFDM, 100% RB, 100MHz, QPSK, 50MHz)   56 NR FRI TDD   5.75   9.96   10870   AAE   56 NR (GPF-GFDM, 178 RB, 100MHz, QPSK, 120MHz)   56 NR FRZ TDD   5.75   9.96   10870   AAE   56 NR (GPF-GFDM, 178 RB, 100MHz, 100KHz, 100KHz)   56 NR FRZ TDD   5.75   9.96   10873   AAE   56 NR (GPF-GFDM, 178 RB, 100MHz, 100KMz, 100KHz)   56 NR FRZ TDD   5.89   9.96   10873   AAE   56 NR (GPF-GFDM, 178 RB, 100MHz, 100KMz, 100KHz)   56 NR FRZ TDD   5.80   9.96   9.9			A commence of the commence of	5G NR FR1 TDD	8.36	±9.6
1985   AAD   SG NR (CP-CPEM, 100% RB, 30MHz, CPSK, 60 Mtz)	10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
1985   AAD   GG NR (CP-CFDM, 100% RB, 50MHz, CPSK, 60Hz)   56 NR FRI TDD   8.44   49.6   10860   AAD   56 NR (CP-CFDM, 100% RB, 50MHz, CPSK, 60Hz)   56 NR FRI TDD   8.44   49.6   49.	10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10860   AAD   SG NR (CP-CFOM, 100% RB, 50MHz, CPSK, 600Hz)   SG NR FR1 TDD   8.41   ±9.6   10861   AAD   SG NR (CP-CFOM, 100% RB, 60MHz, CPSK, 600Hz)   SG NR FR1 TDD   8.41   ±9.6   10868   AAD   SG NR (CP-CFOM, 100% RB, 80MHz, CPSK, 600Hz)   SG NR FR1 TDD   8.41   ±9.6   10868   AAD   SG NR (CP-CFOM, 100% RB, 80MHz, CPSK, 600Hz)   SG NR FR1 TDD   8.37   ±9.6   10868   AAD   SG NR (CP-CFOM, 100% RB, 100MHz, CPSK, 600Hz)   SG NR FR1 TDD   S.61   ±9.6   10868   AAD   SG NR (CP-CFOM, 100% RB, 100MHz, CPSK, 500Hz)   SG NR FR1 TDD   S.68   ±9.6   10868   AAD   SG NR (CPT-CFOM, 100% RB, 100MHz, CPSK, 500Hz)   SG NR FR1 TDD   S.68   ±9.6   10868   AAD   SG NR (CPT-CFOM, 100% RB, 100MHz, CPSK, 500Hz)   SG NR FR1 TDD   S.68   ±9.6   10869   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, CPSK, 120MHz)   SG NR FR1 TDD   S.68   ±9.6   10870   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, CPSK, 120MHz)   SG NR FR2 TDD   S.75   ±9.6   10871   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, CPSK, 120MHz)   SG NR FR2 TDD   S.75   ±9.6   10872   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.75   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.75   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.75   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.75   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.75   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.90   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.90   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.90   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.90   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD   S.90   ±9.6   10873   AAE   SG NR (CPT-CFOM, 100% RB, 100MHz, 10CAM, 120Mtz)   SG NR FR2 TDD	10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10861   AAD   SG NR (CP-CPOM, 100% RB, 80 MHz, CPSK, 60 Hz)   SG NR FR1 TDD   8.40   4.9.6   10883   AAD   SG NR (CP-CPOM, 100% RB, 80 MHz, CPSK, 60 Hz)   SG NR FR1 TDD   8.41   4.9.6   10886   AAD   SG NR (CP-CPOM, 100% RB, 80 MHz, CPSK, 60 Hz)   SG NR FR1 TDD   8.41   4.9.6   10886   AAD   SG NR (CP-CPOM, 100% RB, 100 MHz, CPSK, 60 Hz)   SG NR FR1 TDD   S.58   4.9.6   10886   AAD   SG NR (CP-CPOM, 100% RB, 100 MHz, CPSK, 60 Hz)   SG NR FR1 TDD   S.58   4.9.6   10886   AAD   SG NR (CP-CPOM, 100% RB, 100 MHz, CPSK, 50 Hz)   SG NR FR1 TDD   S.59   4.9.6   10880   AAD   SG NR (DFT-CPCM), 178   No MHz, CPSK, 30 Hz)   SG NR FR1 TDD   S.59   4.9.6   10880   AAE   SG NR (DFT-CPCM), 178   No MHz, CPSK, 30 Hz)   SG NR FR1 TDD   S.59   4.9.6   10870   AAE   SG NR (DFT-CPCM), 178   No MHz, CPSK, 30 Hz)   SG NR FR2 TDD   S.56   4.9.6   10871   AAE   SG NR (DFT-CPCM), 178   NO MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.56   4.9.6   10872   AAE   SG NR (DFT-CPCM), 108 RB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (DFT-CPCM), 1078 RB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (DFT-CPCM), 1078 RB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (DFT-CPCM), 1078 RB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (DFT-CPCM), 108 RB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (DFT-CPCM), 108 RB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (CP-CPCM, 108 RB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (CP-CPCM, 108 NB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (CP-CPCM, 108 NB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.52   4.9.6   10873   AAE   SG NR (CP-CPCM, 108 NB, 100 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.51   4.9.6   10873   AAE   SG NR (CP-CPCM, 108 NB, 50 MHz, CPSK, 120 Hz)   SG NR FR2 TDD   S.51   4.9.6   10873   AAE   SG NR (CP-CPCM, 108 NB, 50 MHz, CPSK, 120 Hz)   SG N	10859	AAD				-
1988   AAD   5G NR (CP-CPOM, 190% RB, 90 MHz, CPSK, 60 MHz)   5G NR FRI TOD   8.41   49.6   1986   1986   AAD   5G NR (CP-CPOM, 190% RB, 90 MHz, CPSK, 60 MHz)   5G NR FRI TOD   8.47   49.6   1988   AAD   5G NR (CP-CPOM, 190% RB, 100 MHz, CPSK, 50 MHz)   5G NR FRI TOD   5.83   49.6   1988   AAD   5G NR (CP-CPOM, 190% RB, 100 MHz, CPSK, 50 MHz)   5G NR FRI TOD   5.89   49.6   1988   AAD   5G NR (CP-CPOM, 190% RB, 100 MHz, CPSK, 50 MHz)   5G NR FRI TOD   5.89   49.6   1988   AAE   5G NR (CPT-CPCM, 190% RB, 100 MHz, CPSK, 120 MHz)   5G NR FRI TOD   5.89   49.6   1989   49.6   1989   AAE   5G NR (CPT-CPCM, 190% RB, 100 MHz, CPSK, 120 MHz)   5G NR FRI TOD   5.75   49.6   1987   AAE   5G NR (CPT-CPCM, 190% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   5.75   49.6   1987   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   5.75   49.6   1987   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   5.75   49.6   1987   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   5.75   49.6   1987   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   5.75   49.6   1987   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   6.61   49.6   1987   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   6.65   49.6   10873   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   7.78   49.6   10873   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   7.78   49.6   10873   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   7.78   49.6   10873   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 60CAM, 120 MHz)   5G NR FRI TOD   7.78   49.6   10873   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 16CAM, 120 MHz)   5G NR FRI TOD   7.78   49.6   10873   AAE   5G NR (CPT-CPCM, 100% RB, 100 MHz, 16CAM, 120 MHz)   5G NR FRI TOD   5.75   49.6   10880   AAE   5G NR (CPT-CPCM, 100% RB, 50 MHz, 100 MHz, 100 MHz)   5G NR FRI TOD   5.75   49.6   10880   AAE   5G N		<b></b>				
10885   AAD   SG NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)   SG NR FRI TIDD   8.41   49.6   10885   AAD   SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)   SG NR FRI TIDD   S.68   49.6   10886   AAD   SG NR (CPF-SOFDM, 18, 100 MHz, QPSK, 30 kHz)   SG NR FRI TIDD   S.68   49.6   10886   AAD   SG NR (DFFs-SOFDM, 18, 100 MHz, QPSK, 30 kHz)   SG NR FRI TIDD   S.89   49.6   10888   AAE   SG NR (DFFs-SOFDM, 18, 100 MHz, QPSK, 20 kHz)   SG NR FRI TIDD   S.89   49.6   10870   AAE   SG NR (DFFs-SOFDM, 18, 100 MHz, QPSK, 120 kHz)   SG NR FRI TIDD   S.86   49.6   10870   AAE   SG NR (DFFs-SOFDM, 18, 100 MHz, QPSK, 120 kHz)   SG NR FRI TIDD   S.86   49.6   10872   AAE   SG NR (DFFs-SOFDM, 18, 100 MHz, QPSK, 120 kHz)   SG NR FRI TIDD   S.86   49.6   10872   AAE   SG NR (DFFs-SOFDM, 18, 100 MHz, SG NR, 120 kHz)   SG NR FRI TIDD   S.86   49.6   10872   AAE   SG NR (DFFs-SOFDM, 18, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   S.86   49.6   10873   AAE   SG NR (DFFs-SOFDM, 18, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   S.87   49.6   10873   AAE   SG NR (DFFs-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   S.87   49.6   10873   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   S.87   49.6   10873   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   T.78   49.6   10873   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   T.78   49.6   10878   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   T.95   49.6   10878   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   T.95   49.6   10878   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   T.95   49.6   10878   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   T.95   49.6   10880   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   T.95   49.6   10881   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, SG ADAM, 120 kHz)   SG NR FRI TIDD   S.88   49.6   10881   AAE					<b>.</b>	
10885   AAD   SG NR (CP-CFDM, 100% RE, 100 MHz, QPSK, 30 NHz)   SG NR FR1 TDD   S.68   ±9.6   10886   AAD   SG NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 30 NHz)   SG NR FR1 TDD   S.68   ±9.6   10889   AAE   SG NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 30 NHz)   SG NR FR1 TDD   S.75   ±9.6   10889   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 NHz)   SG NR FR2 TDD   S.75   ±9.6   10870   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 NHz)   SG NR FR2 TDD   S.75   ±9.6   10870   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 NHz)   SG NR FR2 TDD   S.75   ±9.6   10872   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 NHz)   SG NR FR2 TDD   S.75   ±9.6   10872   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 NHz)   SG NR FR2 TDD   S.75   ±9.6   10873   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 NHz)   SG NR FR2 TDD   S.75   ±9.6   10874   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.75   ±9.6   10875   AAE   SG NR (DFTs-OFDM, 188, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.78   ±9.6   10876   AAE   SG NR (DFTs-OFDM, 188, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.95   ±9.6   10877   AAE   SG NR (CP-OFDM, 188, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.99   ±9.6   10877   AAE   SG NR (CP-OFDM, 188, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.99   ±9.6   10878   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.91   ±9.6   10878   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.91   ±9.6   10880   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.91   ±9.6   10880   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.91   ±9.6   10880   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.91   ±9.6   10880   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.91   ±9.6   10880   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 040 AM, 120 NHz)   SG NR FR2 TDD   S.91   ±9.6   10880   AAE   SG NR (CP						
10886   AAD   SG NR (DFTs-OFDM, 108, 100 MHz, QPSK, 30 M+z)   SG NR FR1 TDD   5.68   ±9.6   10888   AAD   SG NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 M+z)   SG NR FR2 TDD   5.75   ±9.6   10870   AAE   SG NR (DFTs-OFDM, 178, 100 MHz, QPSK, 120 M+z)   SG NR FR2 TDD   5.86   ±9.6   10870   AAE   SG NR (DFTs-OFDM, 178, 100 MHz, QPSK, 120 M+z)   SG NR FR2 TDD   5.86   ±9.6   10872   AAE   SG NR (DFTs-OFDM, 178, 100 MHz, QPSK, 120 M+z)   SG NR FR2 TDD   5.86   ±9.6   10872   AAE   SG NR (DFTs-OFDM, 178, 100 MHz, GAGAM, 120 M+z)   SG NR FR2 TDD   6.52   ±9.6   10872   AAE   SG NR (DFTs-OFDM, 178, 100 MHz, GAGAM, 120 M+z)   SG NR FR2 TDD   6.52   ±9.6   10873   AAE   SG NR (DFTs-OFDM, 178, 100 MHz, GAGAM, 120 M+z)   SG NR FR2 TDD   6.61   ±9.6   10874   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, GAGAM, 120 M+z)   SG NR FR2 TDD   6.65   ±9.6   10875   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, GAGAM, 120 M+z)   SG NR FR2 TDD   7.78   ±9.6   10875   AAE   SG NR (CP-OFDM, 178, 100 MHz, 100 M+z, 100 M+z)   SG NR FR2 TDD   7.78   ±9.6   10876   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, 100 M+z, 100 M+z)   SG NR FR2 TDD   7.79   ±9.6   10877   AAE   SG NR (CP-OFDM, 178, 100 MHz, 100 M+z, 100 M+z						<del>                                     </del>
10888   AAD   SG NR (DFT-s-OFDM, 109% RB, 100MHz, QPSK, 20KHz)   SG NR FR1 TOD   5.89   ±9.6   10870   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10871   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10872   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10872   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 160AM, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10873   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 160AM, 120KHz)   SG NR FR2 TDD   6.52   ±9.6   10874   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   6.61   ±9.6   10875   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   6.65   ±9.6   10876   AAE   SG NR (DFT-SOFDM, 100% RB, 100 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   7.78   ±9.8   10876   AAE   SG NR (DP-OFDM, 1 RB, 100 MHz, GPSK, 120KHz)   SG NR FR2 TDD   7.78   ±9.8   10876   AAE   SG NR (DP-OFDM, 1 RB, 100 MHz, GPSK, 120KHz)   SG NR FR2 TDD   7.79   ±9.6   10877   AAE   SG NR (DP-OFDM, 100% RB, 100 MHz, GPSK, 120KHz)   SG NR FR2 TDD   7.95   ±9.6   10878   AAE   SG NR (DP-OFDM, 100% RB, 100 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   7.95   ±9.6   10878   AAE   SG NR (DP-OFDM, 100% RB, 100 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   8.11   ±9.6   10879   AAE   SG NR (DP-OFDM, 100% RB, 100 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   8.12   ±9.6   10880   AAE   SG NR (DP-OFDM, 100% RB, 100 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   8.38   ±9.6   10881   AAE   SG NR (DP-OFDM, 100% RB, 500 MHz, GAOAM, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10881   AAE   SG NR (DP-SOFDM, 100% RB, 500 MHz, DASK, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10882   AAE   SG NR (DP-SOFDM, 100% RB, 500 MHz, DASK, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10883   AAE   SG NR (DP-SOFDM, 100% RB, 500 MHz, DASK, 120KHz)   SG NR FR2 TDD   5.75   ±9.6   10883   AAE   SG NR (DP-SOFDM, 100% RB, 500 MHz, DASK, 120KHz)   SG NR FR2 TDD   5.65   ±9.6   10883   AAE   SG NR (DP-SOFDM, 108, SG NMHz, 100 MHz,		ļ			<b>!</b>	
10899   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 NHz)   SG NR FR2 TDD   5.75   ±9.6   10870   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 NHz)   SG NR FR2 TDD   5.78   ±9.6   10871   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, GAM, 120 NHz)   SG NR FR2 TDD   5.75   ±9.6   10872   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, GAM, 120 NHz)   SG NR FR2 TDD   5.75   ±9.6   10873   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, GAM, 120 NHz)   SG NR FR2 TDD   6.51   ±9.6   10874   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, GAM, 120 NHz)   SG NR FR2 TDD   6.61   ±9.6   10874   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, GAM, 120 NHz)   SG NR FR2 TDD   6.65   ±9.6   10875   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, GPSK, 120 NHz)   SG NR FR2 TDD   7.78   ±9.6   10876   AAE   SG NR (DF-OFDM, 100% RB, 100 MHz, GPSK, 120 NHz)   SG NR FR2 TDD   7.78   ±9.6   10877   AAE   SG NR (DF-OFDM, 1 RB, 100 MHz, 16CAM, 120 NHz)   SG NR FR2 TDD   7.79   ±9.6   10878   AAE   SG NR (DF-OFDM, 1 RB, 100 MHz, 16CAM, 120 NHz)   SG NR FR2 TDD   7.95   ±9.6   10878   AAE   SG NR (DF-OFDM, 1 RB, 100 MHz, 16CAM, 120 NHz)   SG NR FR2 TDD   8.39   ±9.6   10878   AAE   SG NR (DF-OFDM, 1 RB, 100 MHz, 16CAM, 120 NHz)   SG NR FR2 TDD   8.41   ±9.6   10880   AAE   SG NR (DF-OFDM, 100% RB, 100 MHz, 16CAM, 120 NHz)   SG NR FR2 TDD   8.12   ±9.6   10880   AAE   SG NR (DF-OFDM, 100% RB, 50 MHz, 100 NHz, 100 NHz		<del></del>				<u> </u>
10870   AAE   SG NR (DFT-s-OFDM, 100%, RB, 100MHz, QPSK, 120KHz)   SG NR FR2 TDD   5.86   ±9.6   10872   AAE   SG NR (DFT-s-OFDM, 1 RB, 100MHz, 16QAM, 120KHz)   SG NR FR2 TDD   6.52   ±9.6   10873   AAE   SG NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120KHz)   SG NR FR2 TDD   6.52   ±9.6   10873   AAE   SG NR (DFT-s-OFDM, 100% RB, 100MHz, 6QAM, 120KHz)   SG NR FR2 TDD   6.61   ±9.6   10874   AAE   SG NR (DFT-s-OFDM, 100% RB, 100MHz, 6QAM, 120KHz)   SG NR FR2 TDD   6.65   ±9.6   10875   AAE   SG NR (DFT-s-OFDM, 100% RB, 100MHz, 6QAM, 120KHz)   SG NR FR2 TDD   7.78   ±9.6   10876   AAE   SG NR (DFT-S-OFDM, 100% RB, 100MHz, 100KHz)   SG NR FR2 TDD   7.78   ±9.6   10876   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, 100KHz)   SG NR FR2 TDD   7.78   ±9.6   10877   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, 100KHz)   SG NR FR2 TDD   7.95   ±9.6   10878   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, 100KHz)   SG NR FR2 TDD   7.95   ±9.6   10878   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, 100KHz)   SG NR FR2 TDD   7.95   ±9.6   10878   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, 20KHz)   SG NR FR2 TDD   8.41   ±9.6   10879   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, 20KHz)   SG NR FR2 TDD   8.12   ±9.8   10880   AAE   SG NR (DF-S-OFDM, 110Kz, 6QAM, 120KHz)   SG NR FR2 TDD   8.12   ±9.8   10881   AAE   SG NR (DFT-S-OFDM, 110Kz, 6QAM, 120KHz)   SG NR FR2 TDD   S.75   ±9.6   10883   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR FR2 TDD   S.75   ±9.6   10883   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR FR2 TDD   S.75   ±9.6   10884   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR FR2 TDD   S.75   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR FR2 TDD   S.75   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR FR2 TDD   S.75   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR FR2 TDD   S.75   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR FR2 TDD   S.75   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100KHz)   SG NR	<b>-</b>					
10871   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10872   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   SG NR FR2 TDD   6.52   ±9.6   10873   AAE   SG NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)   SG NR FR2 TDD   6.65   ±9.6   10874   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   SG NR FR2 TDD   6.65   ±9.6   10875   AAE   SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   SG NR FR2 TDD   7.78   ±9.6   10876   AAE   SG NR (DF-OFDM, 100% RB, 100 MHz, QFSK, 120 kHz)   SG NR FR2 TDD   5.39   ±9.8   10877   AAE   SG NR (DF-OFDM, 100% RB, 100 MHz, QFSK, 120 kHz)   SG NR FR2 TDD   5.39   ±9.6   10878   AAE   SG NR (DF-OFDM, 100% RB, 100 MHz, 160AM, 120 kHz)   SG NR FR2 TDD   8.11   ±9.6   10878   AAE   SG NR (DF-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   SG NR FR2 TDD   8.11   ±9.6   10880   AAE   SG NR (DF-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   SG NR FR2 TDD   8.12   ±9.6   10881   AAE   SG NR (DF-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10881   AAE   SG NR (DF-S-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10882   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10884   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10885   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10886   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10886   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   5.75   ±9.6   10886   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   6.63   ±9.6   10886   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   6.65   ±9.6   10886   AAE   SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   6.65   ±9.6   10886   AAE   SG NR (DFT-s-OFDM, 18B, 50 MHz, 0PSK, 120 kHz)   SG NR FR2 TDD   6.65   ±9.6   10886   AAE   SG N			<u> </u>			
10872   AAE   SG NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120kHz)   SG NR FR2 TDD   6.52   ±9.6   10873   AAE   SG NR (DFT-s-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)   SG NR FR2 TDD   6.55   ±9.6   10875   AAE   SG NR (DFT-s-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)   SG NR FR2 TDD   6.55   ±9.6   10875   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, QFSK, 120kHz)   SG NR FR2 TDD   7.78   ±9.6   10876   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, QFSK, 120kHz)   SG NR FR2 TDD   7.75   ±9.6   10877   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, QFSK, 120kHz)   SG NR FR2 TDD   7.95   ±9.6   10878   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, QFSK, 120kHz)   SG NR FR2 TDD   7.95   ±9.6   10879   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, QFSK, 120kHz)   SG NR FR2 TDD   8.41   ±9.6   10879   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, QFSK, 120kHz)   SG NR FR2 TDD   8.41   ±9.6   10880   AAE   SG NR (DF-OFDM, 100% RB, 100MHz, QFSK, 120kHz)   SG NR FR2 TDD   8.38   ±9.6   10881   AAE   SG NR (DF-DF-OFDM, 100% RB, 50MHz, QFSK, 120kHz)   SG NR FR2 TDD   8.38   ±9.6   10881   AAE   SG NR (DF-S-OFDM, 100% RB, 50MHz, QFSK, 120kHz)   SG NR FR2 TDD   5.75   ±9.6   10883   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, QFSK, 120kHz)   SG NR FR2 TDD   5.96   ±9.6   10885   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz)   SG NR FR2 TDD   5.96   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz)   SG NR FR2 TDD   5.95   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz)   SG NR FR2 TDD   5.95   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz)   SG NR FR2 TDD   6.57   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz)   SG NR FR2 TDD   6.65   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz)   SG NR FR2 TDD   6.65   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz)   SG NR FR2 TDD   6.65   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100AM, 120kHz)   SG NR FR2 TDD   6.80   ±9.6   10886   AAE   SG NR (DFT-S-OFDM, 18, 50MHz, 100AM,		ļ				
10873   AAE   5G NR (DFT-9-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   6.61   ±9.6   10874   AAE   5G NR (DFT-9-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   6.65   ±9.6   10875   AAE   5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   7.78   ±9.6   10876   AAE   5G NR (CP-OFDM, 100% RB, 100 MHz, 16CAM, 120 kHz)   5G NR FR2 TDD   8.39   ±9.6   10877   AAE   5G NR (CP-OFDM, 1 RB, 100 MHz, 16CAM, 120 kHz)   5G NR FR2 TDD   8.39   ±9.6   10877   AAE   5G NR (CP-OFDM, 1 RB, 100 MHz, 16CAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10878   AAE   5G NR (CP-OFDM, 1 RB, 100 MHz, 16CAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10879   AAE   5G NR (CP-OFDM, 100% RB, 100 MHz, 16CAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10880   AAE   5G NR (CP-OFDM, 100% RB, 100 MHz, 64CAM, 120 kHz)   5G NR FR2 TDD   8.12   ±9.6   10881   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   5G NR FR2 TDD   8.12   ±9.6   10881   AAE   5G NR (CPF-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   5G NR FR2 TDD   5.75   ±9.6   10883   AAE   5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 120 kHz)   5G NR FR2 TDD   5.96   ±9.6   10883   AAE   5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)   5G NR FR2 TDD   5.96   ±9.6   10884   AAE   5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)   5G NR FR2 TDD   5.96   ±9.6   10885   AAE   5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)   5G NR FR2 TDD   6.53   ±9.6   10886   AAE   5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 180AM, 120 kHz)   5G NR FR2 TDD   6.51   ±9.6   10886   AAE   5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 120 kHz)   5G NR FR2 TDD   6.55   ±9.6   10887   AAE   5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 120 kHz)   5G NR FR2 TDD   6.56   ±9.6   10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 20 KHz)   5G NR FR2 TDD   6.56   ±9.6   10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 20 KHz)   5G NR FR2 TDD   6.56   ±9.6   10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 20 KHz)   5G NR FR2 TDD   6.57   ±9.6   10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 20 KHz)   5G NR FR2 TDD   5.66   ±9.						
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, 18, 100 MHz, GADM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10879   AAE   5G NR (CP-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10879   AAE   5G NR (CP-OFDM, 18, 100 MHz, 160 AM, 120 kHz)   5G NR FR2 TDD   8.12   ±9.6   10800 AAE   5G NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz)   5G NR FR2 TDD   8.12   ±9.6   10880 AAE   5G NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz)   5G NR FR2 TDD   8.38   ±9.6   10881   AAE   5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 640 AM, 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   5.75   ±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   6.57   ±9.6   10884   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640 AM, 120 kHz)   5G NR FR2 TDD   6.53   ±9.6   10885   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640 AM, 120 kHz)   5G NR FR2 TDD   6.53   ±9.6   10885   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640 AM, 120 kHz)   5G NR FR2 TDD   6.65   ±9.6   10887   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   6.65   ±9.6   10887   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   6.65   ±9.6   10887   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   6.65   ±9.6   10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   6.65   ±9.6   10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   6.65   ±9.6   10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   5.66   ±9.6   10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   5.66   ±9.6   10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   5.66   ±9.6   1		-			6.61	±9.6
10876   AAE   5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120Hz)   5G NR FR2 TDD   8.39   ±9.6     10877   AAE   5G NR (CP-OFDM, 1 RB, 100MHz, 16QAM, 120kHz)   5G NR FR2 TDD   7.95   ±9.6     10878   AAE   5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120kHz)   5G NR FR2 TDD   8.41   ±9.6     10879   AAE   5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)   5G NR FR2 TDD   8.12   ±9.6     10880   AAE   5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)   5G NR FR2 TDD   8.38   ±9.6     10881   AAE   5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)   5G NR FR2 TDD   5.75   ±9.6     10881   AAE   5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 120kHz)   5G NR FR2 TDD   5.96   ±9.6     10883   AAE   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)   5G NR FR2 TDD   6.57   ±9.6     10884   AAE   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   6.57   ±9.6     10885   AAE   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   6.57   ±9.6     10886   AAE   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   6.53   ±9.6     10887   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   6.65   ±9.6     10887   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   6.65   ±9.6     10887   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   6.65   ±9.6     10888   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20kHz)   5G NR FR2 TDD   5.66	10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10877   AAE   SG NR (CP-OFDM, 10 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   S.12   ±9.6     10880   AAE   SG NR (CP-OFDM, 10 RB, 100 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.12   ±9.6     10881   AAE   SG NR (CP-OFDM, 100% RB, 100 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.38   ±9.6     10881   AAE   SG NR (DFTs-OFDM, 100% RB, 100 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.75   ±9.6     10881   AAE   SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   SG NR FR2 TDD   S.96   ±9.6     10883   AAE   SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   SG NR FR2 TDD   S.96   ±9.6     10884   AAE   SG NR (DFTs-OFDM, 100% RB, 50 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.96   ±9.6     10885   AAE   SG NR (DFTs-OFDM, 100% RB, 50 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.57   ±9.6     10886   AAE   SG NR (DFTs-OFDM, 100% RB, 50 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.56   ±9.6     10887   AAE   SG NR (DFTs-OFDM, 100% RB, 50 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.65   ±9.6     10888   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.65   ±9.6     10889   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 6AQAM, 120 kHz)   SG NR FR2 TDD   S.65   ±9.6     10889   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 100 kHz)   SG NR FR2 TDD   S.35   ±9.6     10889   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 100 kHz)   SG NR FR2 TDD   S.35   ±9.6     10889   AAE   SG NR (CP-OFDM, 100% RB, 50 MHz, 100 kHz)   SG NR FR2 TDD   S.60 kHz   SG NR FR2 TDD   S.60 kHz   SG NR SG N	10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±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   5.75   ±9.6   10881   AAE   5G NR (CP-SOFDM, 1 RB, 50 MHz, QPSK, 120 kHz)   5G NR FR2 TDD   5.75   ±9.6   10882   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, 1 RB, 50 MHz, 16QAM, 120 kHz)   5G NR FR2 TDD   5.96   ±9.6   10883   AAE   5G NR (DFT-S-OFDM, 100% 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, 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   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 (DF-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   7.78   ±9.6   10889   AAE   5G NR (DF-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)   5G NR FR2 TDD   7.78   ±9.6   10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 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   8.02   ±9.6   10891   AAE   5G NR (DF-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, 6QAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10891   AAE   5G NR (DF-OFDM, 1 RB, 50 MHz, 6QAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10892   AAE   5G NR (DF-S-OFDM, 1 RB, 50 MHz, 6QAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10892   AAE   5G NR (DF-S-OFDM, 1 RB, 50 MHz, 6QAM, 120 kHz)   5G NR FR1 TDD   5.66   ±9.6   10892   AAB   5G NR (DF-S-OFDM, 1 RB, 50 MHz, 6QAM, 120 kHz)   5G NR FR1 TDD   5.66   ±9.6   10892   AAB   5G NR (DF-S-OFDM, 1 RB, 50 MHz, 6QAM,	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, QFSK, 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, 100% RB, 50 MHz, 160 AM, 120 KHz)   5G NR FR2 TDD   6.57   ±9.6     10884   AAE   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 160 AM, 120 KHz)   5G NR FR2 TDD   6.57   ±9.6     10885   AAE   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 160 AM, 120 KHz)   5G NR FR2 TDD   6.51   ±9.6     10886   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.61   ±9.6     10886   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.65   ±9.6     10887   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.65   ±9.6     10887   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 20 KSK, 120 KHz)   5G NR FR2 TDD   6.65   ±9.6     10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 10 KHz)   5G NR FR2 TDD   6.83   ±9.6     10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 10 KHz)   5G NR FR2 TDD   6.83   ±9.6     10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 10 KHz)   5G NR FR2 TDD   6.80   ±9.6     10890   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 10 KHz)   5G NR FR2 TDD   6.80   ±9.6     10891   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.80   ±9.6     10892   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.80   ±9.6     10893   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.80   ±9.6     10894   AAE   5G NR (CPT-S-OFDM, 1 RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.80   ±9.6     10895   AAE   5G NR (CPT-S-OFDM, 1 RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR2 TDD   6.80   ±9.6     10896   AAE   5G NR (CPT-S-OFDM, 1 RB, 50 MHz, 640 AM, 120 KHz)   5G NR FR1 TDD   5.66   ±9.6     10897   AAE   5G NR (CPT-S-OFDM, 1 RB, 50 MHz	10877	AAE		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   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, 100 kHz)   5G NR FR2 TDD   6.57   ±9.6   10884   AAE   5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 100 kHz)   5G NR FR2 TDD   6.57   ±9.6   10885   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 100 kHz)   5G NR FR2 TDD   6.53   ±9.6   10885   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 100 kHz)   5G NR FR2 TDD   6.61   ±9.6   10886   AAE   5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 100 kHz)   5G NR FR2 TDD   6.65   ±9.6   10887   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   7.78   ±9.6   10888   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 kHz)   5G NR FR2 TDD   7.78   ±9.6   10889   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 20 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   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, 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, 1 RB, 50 MHz, 40AM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10892   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 40AM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10892   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 40AM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10893   AAB   5G NR (CP-OFDM, 1 RB, 50 MHz, 40AM, 120 kHz)   5G NR FR2 TDD   5.66   ±9.6   10893   AAB   5G NR (CP-OFDM, 1 RB, 50 MHz, 40AM, 120 kHz)   5G NR FR1 TDD   5.67   ±9.6   10904   AAB   5G NR (CP-SOFDM, 1 RB, 50 MHz, 40AM, 120 kHz)   5G NR FR1 TDD   5.68   ±9.6   10904   AAB   5G NR (CP-SOFDM, 1 RB, 50 MHz, 40AM, 120 kHz)   5G NR FR1 TDD   5.68   ±9.6   10905   AAB   5G NR (DFT-S-O			•			
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, 64QAM, 120 kHz)   5G NR FR2 TDD   6.65   ±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 (DFT-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   6.65   ±9.6   10888   AAE   5G NR (DFT-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   7.78   ±9.6   10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 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, 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   10893   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10897   AAC   5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)   5G NR FR2 TDD   8.41   ±9.6   10897   AAC   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   5.67   ±9.6   10899   AAB   5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.68   ±9.6   10900   AAB   5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.68   ±9.6   10900   AAB   5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.68   ±9.6   10900   AAB   5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.68   ±9.6   10900   AAB   5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)   5G NR FR1 TDD   5.68   ±9.6   10900			, , , , , , , , , , , , , , , , , , , ,			
10882   AAE   5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   5.96   ±9.6   10883   AAE   5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   6.57   ±9.6   10884   AAE   5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   6.53   ±9.6   10885   AAE   5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   6.61   ±9.6   10886   AAE   5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   6.65   ±9.6   10887   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   6.65   ±9.6   10887   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 04CAM, 120kHz)   5G NR FR2 TDD   6.65   ±9.6   10888   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 04CAM, 120kHz)   5G NR FR2 TDD   8.35   ±9.6   10889   AAE   5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   8.35   ±9.6   10890   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   8.40   ±9.6   10891   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)   5G NR FR2 TDD   8.40   ±9.6   10892   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   8.41   ±9.6   10892   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   8.41   ±9.6   10893   AAE   5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)   5G NR FR2 TDD   8.41   ±9.6   10893   AAE   5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)   5G NR FR1 TDD   5.66   ±9.6   10893   AAB   5G NR (DFTs-OFDM, 1 RB, 50 MHz, 05K, 30kHz)   5G NR FR1 TDD   5.67   ±9.6   10893   AAB   5G NR (DFTs-OFDM, 1 RB, 15 MHz, 075K, 30kHz)   5G NR FR1 TDD   5.67   ±9.6   10893   AAB   5G NR (DFTs-OFDM, 1 RB, 20 MHz, 075K, 30kHz)   5G NR FR1 TDD   5.68   ±9.6   10904   AAB   5G NR (DFTs-OFDM, 1 RB, 20 MHz, 075K, 30kHz)   5G NR FR1 TDD   5.68   ±9.6   10904   AAB   5G NR (DFTs-OFDM, 1 RB, 20 MHz, 075K, 30kHz)   5G NR FR1 TDD   5.68   ±9.6   10904   AAB   5G NR (DFTs-OFDM, 1 RB, 40 MHz, 075K, 30kHz)   5G NR FR1 TDD   5.68   ±9.6   10904   AAB   5G NR (DFTs-OFDM, 1 RB, 40 MHz, 075K, 30kHz)   5G NR FR1 TDD   5.68   ±9.6   10905   AA						
10883         AAE         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)         5G NR FR2 TDD         6.57         ±9.6           10884         AAE         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)         5G NR FR2 TDD         6.53         ±9.8           10885         AAE         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         6.65         ±9.6           10886         AAE         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         6.65         ±9.6           10887         AAE         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         6.65         ±9.6           10888         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         8.35         ±9.6           10889         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         8.02         ±9.6           10890         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)         5G NR FR2 TDD         8.02         ±9.6           10891         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.13         ±9.6           10892         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.41         ±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           10888         AAE         5G NR (CP-OFDM, 160% 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, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ±9.6           10892         AAE         5G NR (CP-OFDM, 18B, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ±9.6           10893         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ±9.6		1			ļ	
10885         AAE         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         6.61         ±9.6           10886         AAE         5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         6.65         ±9.6           10887         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         7.78         ±9.6           10888         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         8.35         ±9.6           10889         AAE         5G NR (CP-OFDM, 18B, 50 MHz, 16QAM, 120kHz)         5G NR FR2 TDD         8.02         ±9.6           10890         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)         5G NR FR2 TDD         8.40         ±9.6           10891         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.41         ±9.6           10892         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.41         ±9.6           10892         AAE         5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30kHz)         5G NR FR1 TDD         5.66         ±9.6           10893         AAE         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30kHz)         5G NR FR1 TDD         5.67         ±9.6           10894<		1	Land to the state of the state		<del> </del>	<del> </del>
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, 100% RB, 50 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.40         ±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         8.40         ±9.6           10892         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ±9.6           10897         AAC         5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66         ±9.6           10898         AAB         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ±9.6           10990         AAB         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.68         ±9.6	-				1	
10887         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         7.78         ±9.6           10888         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120kHz)         5G NR FR2 TDD         8.35         ±9.6           10889         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120kHz)         5G NR FR2 TDD         8.02         ±9.6           10890         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120kHz)         5G NR FR2 TDD         8.40         ±9.6           10891         AAE         5G NR (CP-OFDM, 18B, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.13         ±9.6           10892         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.41         ±9.6           10892         AAE         5G NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.41         ±9.6           10892         AAE         5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.41         ±9.6           10892         AAE         5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)         5G NR FR2 TDD         8.41         ±9.6           10892         AAB         5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)         5G NR FR1 TDD         5.66         ±9.6           10990<					<del>}</del>	<u> </u>
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         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41         ±9.6           10899         AAB         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67         ±9.6           10900         AAB         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.68         ±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       AAC       5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.66       ±9.6         10898       AAB       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       AAB       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       AAB       5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 T				<b>.</b>		·
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       AAC       5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.66       ±9.6         10898       AAB       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       AAB       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       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 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	±9.6
10892       AAE       5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)       5G NR FR2 TDD       8.41       ±9.6         10897       AAC       5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.66       ±9.6         10898       AAB       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       AAB       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       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 T	10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10897       AAC       5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.66       ±9.6         10898       AAB       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       AAB       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       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD						
10898       AAB       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       AAB       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       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       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	-				1	
10899       AAB       5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.67       ±9.6         10900       AAB       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       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       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       5.96       ±9.6	<u> </u>				<del></del>	
10900       AAB       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       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       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					1	
10901       AAB       5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10902       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.78       ±9.6         10908       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 FR1 TDD       5.96       ±9.6			· · · · · · · · · · · · · · · · · · ·			
10902       AAB       5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.78       ±9.6         10908       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 FR1 TDD       5.96       ±9.6					<b>+</b>	
10903       AAB       5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.78       ±9.6         10908       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 FR1 TDD       5.96       ±9.6		<del> </del>			<b>.</b>	<del>                                     </del>
10904       AAB       5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.78       ±9.6         10908       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 FR1 TDD       5.96       ±9.6	1		· · · · · · · · · · · · · · · · · · ·			
10905       AAB       5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.78       ±9.6         10908       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 FR1 TDD       5.96       ±9.6	1	_	· · · · · · · · · · · · · · · · · · ·			
10906       AAB       5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.68       ±9.6         10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.78       ±9.6         10908       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 FR1 TDD       5.96       ±9.6						
10907       AAC       5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)       5G NR FR1 TDD       5.78       ±9.6         10908       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 FR1 TDD       5.96       ±9.6		1	1 1 1 1	<del></del>	<del>1</del>	
10908         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 FR1 TDD         5.96         ±9.6						
10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6						
		AAB		5G NR FR1 TDD	5.96	
	10910	AAB			5.83	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86 5.87	±9.6 ±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.84	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10922	AAB AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAC	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 5.90	±9.6 ±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.77	±9.6
10937 10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)  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	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87 5.94	±9.6 ±9.6
10950 10951	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)  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, 5MHz, 64-QAM, 15kHz)	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, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.36	±9.6
10962 10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.40 9.55	±9.6
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz)	5G NR FR1 TDD	9.33	±9.6
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 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
10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

October 31, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> <i>k</i> = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	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	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	.8.45	±9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

 $<sup>^{\</sup>mathsf{E}}$  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





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Zeughausstrasse 43, 8004 Zurich, Switzerland

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

Auden Taoyuan City Certificate No.

EX-7515 Dec23

### **CALIBRATION CERTIFICATE**

Object EX3DV4 - SN:7515

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 14, 2023

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	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
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)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660 Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013 Jan23)	Jan-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

Jeton Kastrati Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: December 14, 2023

Signature

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

Certificate No: EX-7515 Dec23

Calibrated by

Page 1 of 22

### Calibration Laboratory of

Schmid & Partner Engineering AG

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#### Glossary

TSL tissue simulating liquid

NORMx,y,z sensitivity in free space

ConvF sensitivity in TSL / NORMx,y,z

DCP diode compression point

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

Polarization  $\varphi$   $\varphi$  rotation around probe axis

Polarization  $\vartheta$  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 ≤ 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-7515\_Dec23 Page 2 of 22

## Parameters of Probe: EX3DV4 - SN:7515

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm $(\mu V/(V/m)^2)$ Å	0.42	0.51	0.45	±10.1%
DCP (mV) <sup>B</sup>	97.8	97.0	97.8	±4.7%

#### Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√μV		dB	mV	dev.	Unc <sup>E</sup>
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	169.9	±2.7%	±4.7%
		Y	0.00	0.00	1.00		158.4		
		Z	0.00	0.00	1.00		176.5		
10352	Pulse Waveform (200Hz, 10%)	X	2.18	64.50	9.26	10.00	60.0	±3.0%	±9.6%
		Y	2.02	63.39	8.71		60.0		
		Z	20.00	88.30	18.55		60.0		
10353	Pulse Waveform (200Hz, 20%)	Х	1.00	62.08	7.10	6.99	80.0	±2.1%	±9.6%
		Y	1.17	61.88	7.18		80.0		
		Z	20.00	90.27	18.14		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.36	60.00	4.91	3.98	95.0	±1.3%	±9.6%
		Y	0.64	61.29	6.22		95.0		
		Z	20.00	94.65	18.60		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	0.21	60.00	3.78	2.22	120.0	±1.2%	±9.6%
		Y	0.74	64.79	7.22		120.0		
		Z	20.00	96.33	17.82		120.0		
10387	QPSK Waveform, 1 MHz	X	1.68	68.92	15.89	1.00	150.0	±2.7%	±9.6%
		Y	1.70	67.30	15.59		150.0		
		Z	1.82	69.09	16.42		150.0		
10388	QPSK Waveform, 10 MHz	X	2.14	68.65	16.29	0.00	150.0	±1.4%	±9.6%
		Y	2.24	68.46	16.19		150.0		
		Z	2.42	70.24	17.07		150.0		
10396	64-QAM Waveform, 100 kHz	Х	1.98	67.72	19.65	3.01	150.0	±1.9%	±9.6%
		Y	2.28	66.68	17.16		150.0		
		Z	2.91	71.72	19.82		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.43	67.24	16.02	0.00	150.0	±1.8%	±9.6%
		Y	3.50	67.17	15.96		150.0		
		Z	3.59	67.90	16.40		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	Х	4.67	65.71	15.73	0.00	150.0	±3.3%	±9.6%
		Υ	4.79	65.58	15.63		150.0	1	
		Z	4.88	66.05	15.96		150.0		

Note: For details on UID parameters see Appendix

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

A The uncertainties of Norm X,Y,Z do not affect the E<sup>2</sup>-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:7515

#### **Sensor Model Parameters**

	C1	C2	α	T1	T2	T3	T4	T5	T6
	fF	fF	V <sup>−1</sup>	msV <sup>−2</sup>	msV <sup>−1</sup>	ms	V-2	V−1	
Х	32.0	243.66	36.85	2.81	0.00	5.00	0.00	0.02	1.02
У	40.2	303.73	36.31	9.85	0.00	4.97	0.00	0.34	1.00
Z	40.4	309.43	37.42	6.08	0.04	5.07	0.83	0.26	1.01

#### Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-10.4°
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.

Certificate No: EX-7515\_Dec23 Page 4 of 22

#### Parameters of Probe: EX3DV4 - SN:7515

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
750	41.9	0.89	9.52	9.52	9.52	0.44	0.92	±12.0%
835	41.5	0.90	9.47	9.47	9.47	0.40	0.92	±12.0%
900	41.5	0.97	9.20	9.20	9.20	0.45	0.80	±12.0%
1750	40.1	1.37	8.88	8.88	8.88	0.32	0.86	±12.0%
1900	40.0	1.40	8.61	8.61	8.61	0.29	0.86	±12.0%
2000	40.0	1.40	8.39	8.39	8.39	0.26	0.86	±12.0%
2300	39.5	1.67	7.67	7.67	7.67	0.21	0.90	±12.0%
2450	39.2	1.80	7.45	7.45	7.45	0.28	0.90	±12.0%
2600	39.0	1.96	7.33	7.33	7.33	0.22	0.90	±12.0%
3300	38.2	2.71	6.92	6.92	6.92	0.30	1.35	±14.0%
3500	37.9	2.91	6.88	6.88	6.88	0.30	1.35	±14.0%
3700	37.7	3.12	6.80	6.80	6.80	0.30	1.35	±14.0%
3900	37.5	3.32	6.46	6.46	6.46	0.40	1.60	±14.0%
4100	37.2	3.53	6.41	6.41	6.41	0.40	1.60	±14.0%
4200	37.1	3.63	6.28	6.28	6.28	0.40	1.70	±14.0%
4400	36.9	3.84	6.03	6.03	6.03	0.40	1.70	±14.0%
4600	36.7	4.04	6.02	6.02	6.02	0.40	1.70	±14.0%
4800	36.4	4.25	5.99	5.99	5.99	0.40	1.80	±14.0%
4950	36.3	4.40	5.67	5.67	5.67	0.40	1.80	±14.0%
5250	35.9	4.71	5.46	5.46	5.46	0.40	1.80	±14.0%
5600	35.5	5.07	4.71	4.71	4.71	0.40	1.80	±14.0%
5750	35.4	5.22	4.89	4.89	4.89	0.40	1.80	±14.0%

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

F The probes are collibrated using fearer size that a first the first transfer of the convF assessment at 12 MHz.

Certificate No: EX-7515\_Dec23 Page 5 of 22

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  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 TSL with deviations from the target of less than  $\pm 5\%$  are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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.

#### Parameters of Probe: EX3DV4 - SN:7515

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
6500	34.5	6.07	5.50	5.50	5.50	0.20	2.50	±18.6%

<sup>&</sup>lt;sup>C</sup> Frequency validity at 6.5 GHz is -600/+700 MHz, and  $\pm700$  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.

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  by less than  $\pm10\%$  from the target values (typically better than  $\pm6\%$ )

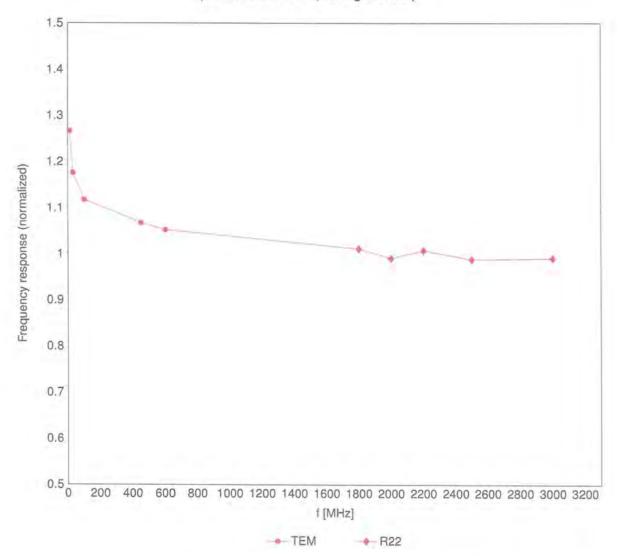
Certificate No: EX-7515 Dec23 Page 6 of 22

and are valid for TSL with deviations of up to  $\pm 10\%$ .

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

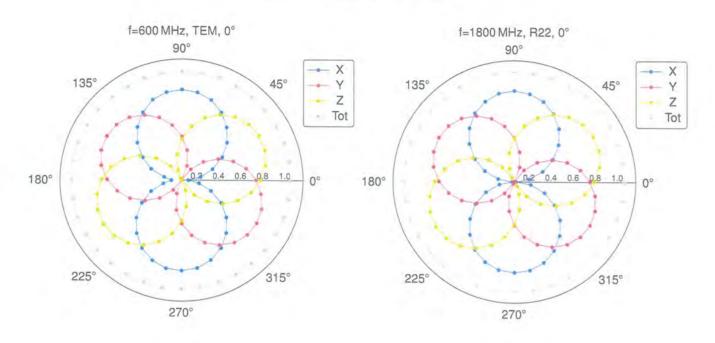
## Frequency Response of E-Field

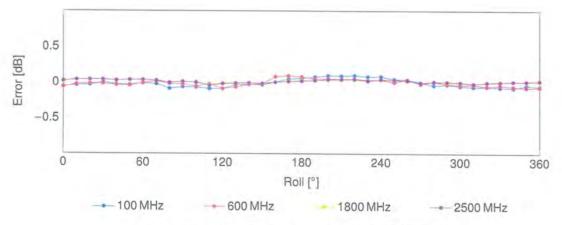
(TEM-Cell:ifi110 EXX, Waveguide:R22)



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

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

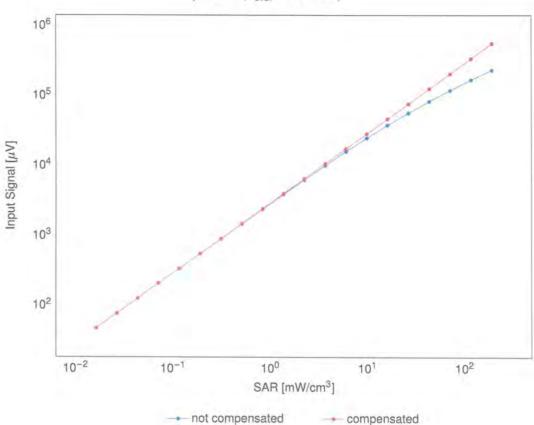


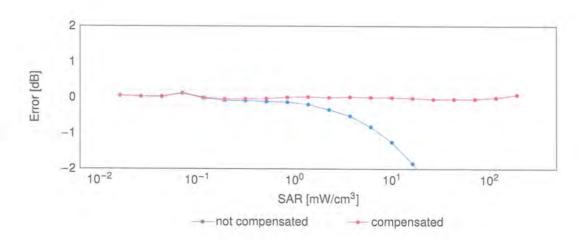


Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

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

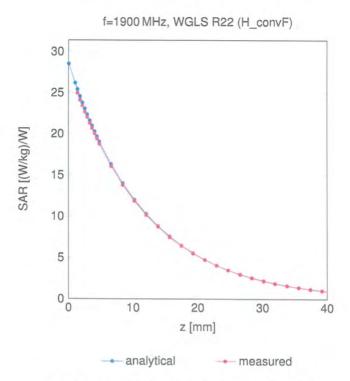
(TEM cell, feval = 1900 MHz)





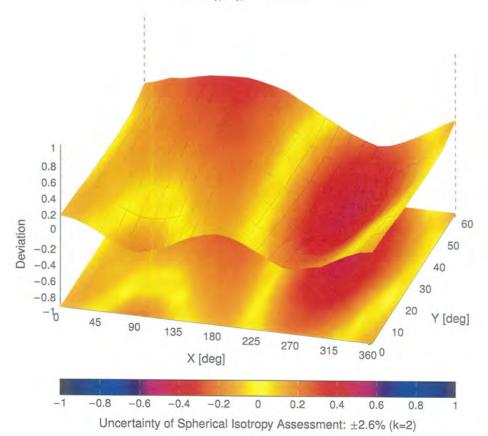
Uncertainty of Linearity Assessment: ±0.6% (k=2)

## **Conversion Factor Assessment**



## Deviation from Isotropy in Liquid

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



## **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
0		CW	CW	0.00	±4.7
10010	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
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	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		UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10100	CAF	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 (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)  LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.42	±9.6
10102	CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)  LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 04-QAM)	LTE-TDD	10.01	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	5.80	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	6.43	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
		( 15	ト1 ビートロロ	6.44	±9.6

Certificate No: EX-7515\_Dec23 Page 11 of 22

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
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, 5MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	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, 15MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 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-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±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, 5MHz, 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, 15MHz, QPSK)	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, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	
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		±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	6.50	±9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.09	±9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 55 Mbps, 64-QAM)	WLAN	8.12	±9.6
10196	CAD	IEEE 802.11n (HT Greenheid, 65 Mbps, 84-QAM)		8.21	±9.6
10197	CAD	IEEE 802.11n (HT Mixed, 0.3 Mibps, BF3K)	WLAN	8.10	±9.6
10198	CAD	IEEE 802.111 (HT Mixed, 59 Mbps, 16-QAM)	WLAN	8.13	±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 65 Mibps, 64-QAM)	WLAN	8.27	±9.6
10219	CAD	IEEE 802.1111 (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAD	IEEE 802.1111 (HT Mixed, 43.3 Mipps, 16-QAM)	WLAN	8.13	±9.6
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mops, 64-QAM)	WLAN	8.27	±9.6
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, 16-QAM)	WLAN	8.06	±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mops, 16-QAM)	WLAN	8.48	±9.6
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EX3DV4 - SN:7515

UID	Rev	Communication System Name	0	DAR (ID)	11 F / 0
10225	CAC	UMTS-FDD (HSPA+)	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	WCDMA LTE-TDD	5.97	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.49	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	10.26 9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.22	±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		±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	9.48	±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 ±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	
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 ±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	
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
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6 ±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, 5MHz, 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-TDD	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	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	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-TDD	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 (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-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 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)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10305	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
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 <sup>E</sup> 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
10314	AAA	iDEN 1:6	iDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	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
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	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	AAC	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	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAC	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	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±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	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	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	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	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
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	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
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
1 111/160	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
		LILE-LUU (SC-EDMA 1 RR 5MHz 64-OAM III Subframo-2 2 4 7 9 0)	LITE TOD	0.50	1 .00
10469	AAG		LTE-TDD	8.56	±9.6
	AAG 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-TDD	7.82	±9.6

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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-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-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	±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
10489	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 (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF		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 (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, 0L Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74 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 ±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-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	±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, 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-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-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN WLAN	8.08	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.27	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.36	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42 8.21	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.54	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAD	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, 16 Misps, 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		
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)		1.98	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN WLAN	8.59	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)		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, 14 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA		WLAN	8.35	±9.6
10582	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10586		IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
	-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAC	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	8.67	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.79	±9.6
			WLAN	8.64	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10500	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10599	1 444	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10600	AAC				±9.6
10600 10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	
10600 10601 10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10600 10601 10602 10603	AAC AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN WLAN	8.94 9.03	±9.6 ±9.6
10600 10601 10602 10603 10604	AAC AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN WLAN WLAN	8.94	±9.6 ±9.6 ±9.6
10600 10601 10602 10603 10604 10605	AAC AAC AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN WLAN WLAN WLAN	8.94 9.03	±9.6 ±9.6
10 600 10 601 10 602 10 603 10 604 10 605 10 606	AAC AAC AAC AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN	8.94 9.03 8.76 8.97 8.82	±9.6 ±9.6 ±9.6
10600 10601 10602 10603 10604 10605	AAC AAC AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN WLAN WLAN WLAN	8.94 9.03 8.76 8.97	±9.6 ±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Croum	L BAD (4D)	Unc <sup>E</sup> k = 2
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	Group WLAN	PAR (dB)	
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57 8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6 ±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN		±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.59 8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN		±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.82	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.81 8.58	±9.6 ±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6 ±9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN		±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)		8.88	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.71	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.85 8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)			±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN WLAN	8.81 8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN		±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.83	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	±9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.79	±9.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.85	±9.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.98 9.06	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6 ±9.6
10645	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	
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 ±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-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 (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	
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6 ±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	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	IEEE 802.11ax (20 MHz, MCS0, 99pc 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, MCS2, 99pc duty cycle)	WLAN	8.33	±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	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
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 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)	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	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
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
1		IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	1 140 0 1	0.00	1 .00
10751 10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±9.6

December 14, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	
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 ±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	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, 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	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAD	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	AAD	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
	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAD AAD	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	AAD	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.84	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10799	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10802	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10803	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10805	AAD	5G NR (CP-OFDM, 1 HB, 100MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.37	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
		5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.42	±9.6
10828	AAD	30 NT (OF "OFDIVI, 100% NB, 90 WINZ, CJPSK RUKH7)		8.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k=2$
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAD	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	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	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	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10876	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10870	AAE	5G NR (CP-OFDM, 100% hB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10878	AAE	5G NR (CP-OFDM, 1 NB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	8.38	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)		5.75 5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	<del> </del>	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)		6.57	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	6.53	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61 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 ±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
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAB	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	AAB	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	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	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 FR1 TDD	5.96	±9.6
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)  5G NR (DFT-s-OFDM, 1 RB, 15 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 (DFT-S-OFDM, 1 RB, 20 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.52 5.51	±9.6
10931	AAC	5G NR (DFT-S-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.51 5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6 ±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	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAC	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	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 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 DL (CP-OFDM, TM 3.1, 10 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	8.15	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FR1 FDD 5G NR FR1 FDD	8.23	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.42 8.14	±9.6 ±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 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 HDR8	ULLA	8.58	±9.6
10980	AAA	ULLA HDR94	ULLA	10.32	±9.6
10981	AAA	ULLA HDRp8	ULLA	3.19	±9.6
. 5 5 5 2	1,000		ULLA	3.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	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
11 005	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
11 008	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	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

<sup>&</sup>lt;sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.





# CALIBRATION LABORATORY



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Client

BTL Inc .

**Certificate No:** 

Z21-60224

## **CALIBRATION CERTIFICATE**

Object D2450V2 - SN: 919

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

May 28, 2021

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

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

Calibration Equipment used (M&TE critical for calibration)

	200		
Primary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 3846	6-Apr-21(CTTL-SPEAG,No.Z21-60084)	Apr-22
DAE4	SN 777	8-Jan-21(CTTL-SPEAG,No.Z21-60003)	Jan-22
Secondary Standards	ID#	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22
		lei	

Name **Function** Calibrated by: Zhao Jing **SAR Test Engineer** Reviewed by: Lin Hao **SAR Test Engineer** Approved by: Qi Dianyuan SAR Project Leader

Issued: June 2, 2021

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



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Glossary:

TSL

tissue simulating liquid

ConvF N/A sensitivity in T\$L / NORMx,y,z not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

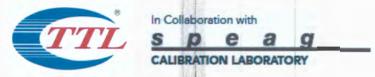
#### **Additional Documentation:**

e) DASY4/5 System Handbook

#### Methods Applied and Interpretation of Parameters:

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

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



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#### **Measurement Conditions**

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
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	38.8 ± 6 %	1.81 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C		

## SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.1 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	52.1 W/kg ± 18.8 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	5.95 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.7 W/kg ± 18.7 % (k=2)

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## Appendix (Additional assessments outside the scope of CNAS L0570)

#### **Antenna Parameters with Head TSL**

Impedance, transformed to feed point	55.6Ω+ 2.17jΩ	
Return Loss	- 24.8dB	

### **General Antenna Parameters and Design**

Electrical Delay (one direction)	1.070 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**

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

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 919

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1 Medium parameters used: f = 2450 MHz;  $\sigma = 1.81$  S/m;  $\varepsilon_r = 38.82$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY5 Configuration:

 Probe: EX3DV4 - SN3846; ConvF(7.45, 7.45, 7.45) @ 2450 MHz; Calibrated: 2021-04-26

Date: 05.28.2021

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn777; Calibrated: 2021-01-08
- Phantom: MFP\_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Dipole Calibration**/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.10 V/m; Power Drift = -0.09 dB

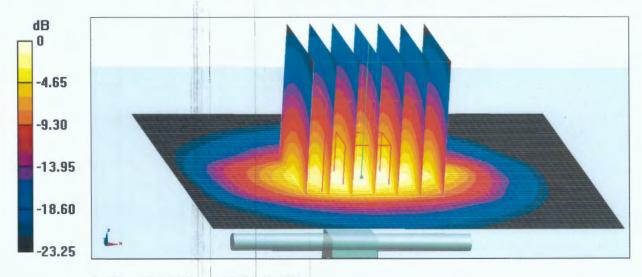
Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.95 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45.9%

Maximum value of SAR (measured) = 22.6 W/kg



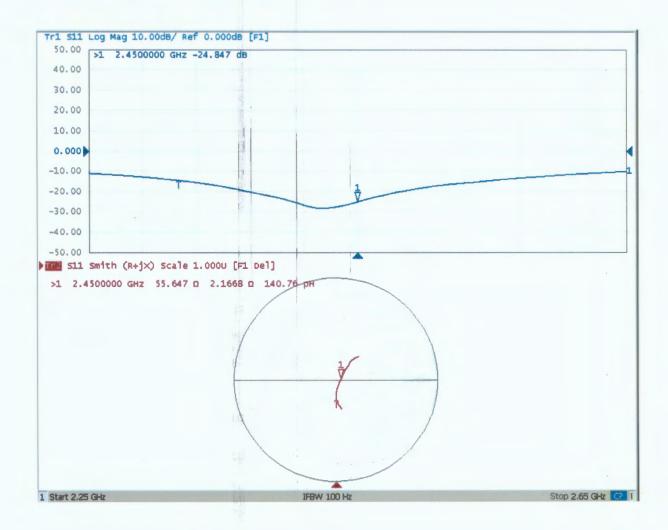
0 dB = 22.6 W/kg = 13.54 dBW/kg

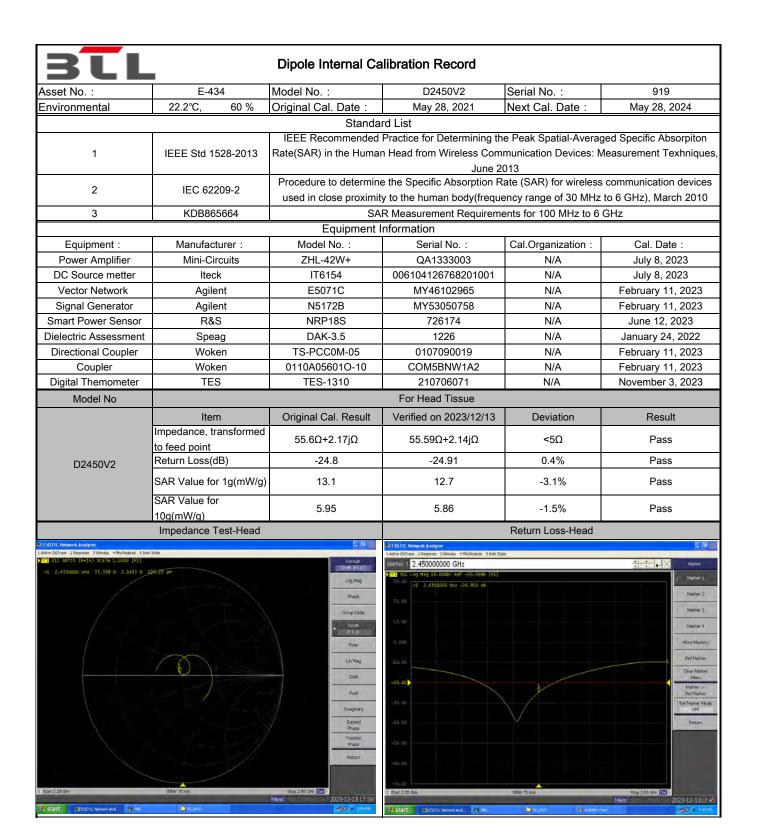


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## Impedance Measurement Plot for Head TSL





#### Validation Report for Head TSL

Test Laboratory: BTL Inc.

Date: 2023/12/13

#### System Check\_H2450\_1213

#### DUT: Dipole 24500 MHz D2450V2;SN:919;

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1 Medium parameters used (interpolated): f = 2450 MHz;  $\sigma$  = 1.826 S/m;  $\epsilon$ r = 39.336;  $\rho$  = 1000 kg/m³ Ambient Temperature: 22.2 °C; Liquid Temperature: 22.1 °C

#### DASY Configuration:

- Probe: EX3DV4 SN7544; ConvF(7.57, 7.57, 7.57) @ 2450 MHz; Calibrated: 2023/2/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: S/N:1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 20.9 W/kg

Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.65 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 27.7 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.86 W/kg Maximum value of SAR (measured) = 21.8 W/kg



Calibrator:

Justin Huang

0.084

Approver:

Herbort lin