

APPENDIX D: PROBE AND VERIFICATION SOURCE CALIBRATION CERTIFICATES

## **Calibration Laboratory of**

Element

Client

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

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# Certificate No: 5G-Veri30-1035 Feb23

#### **CALIBRATION CERTIFICATE** Object 5G Verification Source 30 GHz - SN: 1035 NW0723 QA CAL-45.v4 Calibration procedure(s) Calibration procedure for sources in air above 6 GHz Calibration date: February 07, 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)°C and humidity < 70%. Calibration Equipment used (M&TE critical for calibration) **Primary Standards** ID # Cal Date (Certificate No.) Scheduled Calibration Reference Probe EUmmWV3 SN: 9374 2023-01-03(No. EUmmWV3-9374\_Jan23) Jan-24 DAE4ip SN: 1602 2022-06-27 (No. DAE4ip-1602\_Jun22) Jun-23 Secondary Standards ID # Check Date (in house) Scheduled Check Name Function Signature Calibrated by: Leif Klysner Laboratory Technician Seef Thepe Approved by: Sven Kühn **Technical Manager** Issued: February 16, 2023 This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Certificate No: 5G-Veri30-1035\_Feb23



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Accreditation No.: SCS 0108

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





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### Glossary

CW

Continuous wave

## **Calibration is Performed According to the Following Standards**

- Internal procedure QA CAL-45, Calibration procedure for sources in air above 6 GHz.
- IEC/IEEE 63195-1, "Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz)", May 2022

## Methods Applied and Interpretation of Parameters

- *Coordinate System:* z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- *Measurement Conditions: (1) 10 GHz:* The radiated power is the forward power to the horn antenna minus ohmic and mismatch loss. During the measurements, the horn is directly connected to the cable and the antenna ohmic and mismatch losses are determined by far-field measurements. (2) 30, 45, 60 and 90 GHz: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- *Horn Positioning:* The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- E- field distribution: E field is measured in two x-y-plane (10mm, 10mm + λ/4) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima and the averaged (1cm<sup>2</sup> and 4cm<sup>2</sup>) power density values at 10mm in front of the horn.
- *Field polarization:* Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

## **Calibrated Quantity**

 Local peak E-field (V/m) and average of peak spatial components of the poynting vector (W/m<sup>2</sup>) averaged over the surface area of 1 cm<sup>2</sup> and 4cm<sup>2</sup> at the nominal operational frequency of the verification source. Both square and circular averaging results are listed.

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

### **Measurement Conditions**

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

DASY Version	DASY8 Module mmWave	V3.2
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	
XY Scan Resolution	dx, dy = 2.5 mm	
Number of measured planes	2 (10mm, 10mm + λ/4)	
Frequency	30 GHz ± 10 MHz	

## **Calibration Parameters, 30 GHz**

#### Circular Averaging

Distance Horn Aperture to Measured Plane	Prad <sup>1</sup> (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m <sup>2</sup> )		Uncertainty (k = 2)
	1			1 cm <sup>2</sup>	<b>4</b> cm <sup>2</sup>	
10 mm	29.0	130	1.27 dB	37.5	32.7	1.28 dB

Distance Horn Aperture to Measured Plane	Prad <sup>1</sup> (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Power Density psPDn+, psPDtot+, psPDmod+ (W/m²)		Uncertainty (k = 2)
				1 cm <sup>2</sup>	4 cm <sup>2</sup>	
10 mm	29.0	130	1.27 dB	37.1, 37.6, 37.7	32.3, 32.8, 32.9	1.28 dB

### Square Averaging

Distance Horn	Prad <sup>1</sup>	Max E-field	Uncertainty	Avg Powe	•	Uncertainty
Aperture to Measured Plane	(mW)	(V/m)	(k = 2)	Avg (psPDn+, psPDtot+, psPDmod+) (W/m²)		(k = 2)
				1 cm <sup>2</sup>	<b>4</b> cm <sup>2</sup>	
10 mm	29.0	130	1.27 dB	37.5	32.6	1.28 dB
Distance Horn	Prad <sup>1</sup>	Max E-field	Uncertainty	Power	Density	Uncertainty
Aperture to Measured Plane	(mW)	(V/m)	(k = 2)			(k = 2)
				<b>1</b> cm <sup>2</sup>	<b>4</b> cm <sup>2</sup>	
10 mm	29.0	130	1.27 dB	37.2, 37.6, 37.8	32.2, 32.7, 32.8	1.28 dB

#### **Max Power Density**

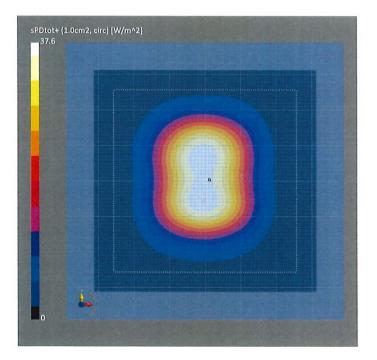
Distance Horn Aperture to Measured Plane	Prad <sup>1</sup> (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Max Power Density Sn, Stot,  Stot  (W/m²)	Uncertainty (k = 2)
10 mm	29.0	130	1.27 dB	43.7, 43.9, 44.1	1.28 dB

<sup>1</sup> Derived from far-field data

Certificate No: 5G-Veri30-1035\_Feb23

#### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

Name, Manufacturer	Dimensions [mm		IMEI	DUT Type	
5G Verification Source 30 G	Hz 100.0 x 100.0 x 1	00.0	SN: 1035	-	
Exposure Conditions					
Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
56 -	5.55 mm	Validation band	CW	30000.0, 30000	1.0
Hardware Setup Phantom	Medium		Probe, Calibr	ration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air			SN9374_F1-55GHz,	DAE4ip Sn1602, 2022-06-27
Scan Setup				nent Results	
Grid Extents [mm]		5G S 60.0 x 6			5G Scan 2023-02-07, 13:30
Grid Steps [lambda]		0.25 x 0		cm <sup>2</sup> ]	2023-02-07, 13:30
Sensor Surface [mm]			.55 Avg. Type		Circular Averaging
MAIA		MAIA not u		/m²]	37.1
			psPDtot+ [\	W/m²]	37.6
			psPDmod+		37.7
			Max(Sn) [W		43.7
			Max(Stot) [ Max( Stot		43.9 44.1
			E <sub>max</sub> [V/m]	/ [**/]	130
			Power Drift	- [dp]	-0.06



#### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

Name, Manufacturer	Dimensions [mm	] I	MEI	DUT Type	
5G Verification Source 30 G	Hz 100.0 x 100.0 x 1	.00.0	SN: 1035		
Exposure Conditions					
Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0
Hardware Setup	Medium		Probe, Calibra	tion Date	DAE, Calibration Date
mmWave Phantom - 1002	Air			SN9374_F1-55GHz,	DAE4ip Sn1602, 2022-06-27
Scan Setup			Measurem	ent Results	
Grid Extents [mm]		5G Sc			5G Scan
Grid Extents [mm] Grid Steps [lambda]		60.0 x 60 0.25 x 0.		m <sup>2</sup> l	2023-02-07, 13:30 4.00
Sensor Surface [mm]			55 Avg. Type	11-]	4.00 Circular Averaging
MAIA		MAIA not us		m <sup>2</sup> ]	32.3
			psPDtot+ [W		32.3
					22.0

psPDmod+ [W/m<sup>2</sup>] Max(Sn) [W/m<sup>2</sup>]

Max(Stot) [W/m<sup>2</sup>] Max(|Stot|) [W/m<sup>2</sup>]

E<sub>max</sub> [V/m]

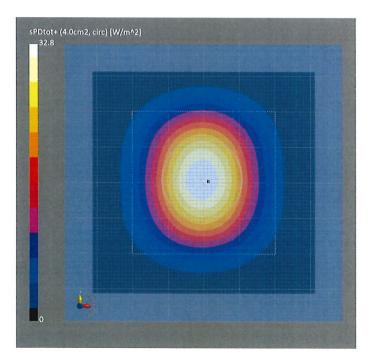
Power Drift [dB]

32.9 43.7

43.9 44.1

130

-0.06

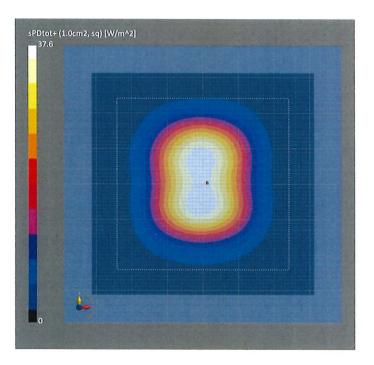


## Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Pro Name, Manufacturer	Dimensions [mm	1 1	MEI	DUT Type	
5G Verification Source 30 G		the second	N: 1035	-	
Exposure Conditions					
Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0
Hardware Setup Phantom	Medium		Probe, Calibrat	ion Date	DAE, Calibration Date
mmWave Phantom - 1002	Air			N9374_F1-55GHz,	DAE4ip Sn1602, 2022-06-27
Scan Setup			Measureme	nt Results	
Grid Extents [mm]		5G Sc 60.0 x 60			<b>5G Sca</b> r 2023-02-07, 13:30
Grid Steps [lambda]		0.25 x 0.	25 Avg. Area [cm	1 <sup>2</sup> ]	1.00

Grid Steps [lambda]	0.25 x 0.25	Avg.
Sensor Surface [mm]	5.55	Avg.
MAIA	MAIA not used	psPE
		psPE
		psPE

	5G Scan
Date	2023-02-07, 13:30
Avg. Area [cm <sup>2</sup> ]	1.00
Avg. Type	Square Averaging
psPDn+ [W/m²]	37.2
psPDtot+ [W/m <sup>2</sup> ]	37.6
psPDmod+ [W/m²]	37.8
Max(Sn) [W/m <sup>2</sup> ]	43.7
Max(Stot) [W/m <sup>2</sup> ]	43.9
Max( Stot ) [W/m <sup>2</sup> ]	44.1
E <sub>max</sub> [V/m]	130
Power Drift [dB]	-0.06



#### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

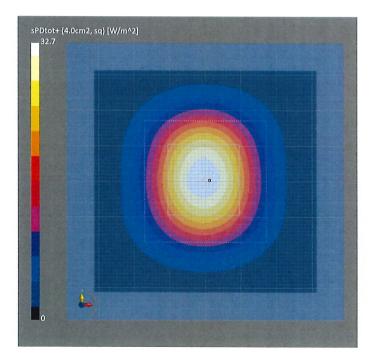
Name, Manufacturer	Dimensions [mm	]	IMEI	DUT Type	
5G Verification Source 30 G	Hz 100.0 x 100.0 x 1	.00.0	SN: 1035		
Exposure Conditions					
Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MH Channel Numbe	
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0
Hardware Setup					
Phantom	Medium		Pre	obe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air			mmWV3 - SN9374_F1-55GHz, )23-01-03	DAE4ip Sn1602, 2022-06-27
Scan Setup			м	easurement Results	
		5G S			5G Scan
Grid Extents [mm]		60.0 x 6		Date	2023-02-07, 13:30
Grid Steps [lambda] Sensor Surface [mm]		0.25 x 0		Avg. Area [cm <sup>2</sup> ]	4.00
MAIA		5 MAIA not u		Avg. Type	Square Averaging
		IVIAIA NOT U	r	osPDn+ [W/m²] osPDtot+ [W/m²]	32.2 32.7
				osPDmod+ [W/m <sup>2</sup> ]	32.7
				Max(Sn) [W/m <sup>2</sup> ]	43.7
				Max(Stot) [W/m <sup>2</sup> ]	43.9
				Max( Stot ) [W/m <sup>2</sup> ]	44.1
				[\//m]	120

E<sub>max</sub> [V/m]

Power Drift [dB]

130

-0.06



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Multilateral Agreement for the recognition of calibration certificates

Client

Element

**Certificate No** 

EUmm-9622\_Feb23

# **CALIBRATION CERTIFICATE**

Object	EUmmWV4 - SN:9622	4
Calibration procedure(s)	QA CAL-02.v9, QA CAL-25.v8, QA CAL-42.v3 Calibration procedure for E-field probes optimized for close near field evaluations in air	
Calibration date	February 15, 2023	
The measurements and the u	cuments the traceability to national standards, which realize the physical units of measurements (SI). Incertainties with confidence probability are given on the following pages and are part of the certificate.	

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power sensor NRP110T	SN: 101244	14-Mar-22 (No. 20A1037915)	Mar-23
Spectrum analyzer FSV40	SN: 101832	25-Jan-22 (No. 4030-315003399)	Jan-25
Ref. Probe EUmmWV3	SN: 9374	03-Jan-23 (No. EUmmWV3-9374_Jan23)	Jan-24
DAE4	SN: 789	03-Jan-23 (No. DAE4-789_Jan23)	Jan-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Generator APSIN26G	SN: 669	28-Mar-17 (in house check May-22)	In house check: May-23
Generator Agilent E8251A	SN: US41140111	28-Mar-17 (in house check May-22)	In house check: May-23

	Name	Function	Signature
Calibrated by	Leif Klysner	Laboratory Technician	Sef Alge
Approved by	Sven Kühn	Technical Manager	5.6
This calibration certificate shall	not be reproduced except in full wi	thout written approval of the labora	Issued: February 16, 2023 tory.

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





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#### Glossary

NORMx,y DCP	sensitivity in free space diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization $\varphi$	arphi rotation around probe axis
Polarization $\vartheta$	$\vartheta$ 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 Sensor Angles $\vec{k}$	information used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization is the wave propagation direction

#### Calibration is Performed According to the Following Standards:

a) IEEE Std 1309-2005, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", December 2005

#### Methods Applied and Interpretation of Parameters:

- NORMx, y: Assessed for E-field polarization  $\vartheta = 0$  ( $f \le 900$  MHz in TEM-cell; f > 1800 MHz; R22 wavequide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCPx,y: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media. Note: As the field is measured with a diode detector sensor, it is warrantied that the probe response is linear (E<sup>2</sup>) below the
- documented lowest calibrated value.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- · The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, Rp, inductance L and capacitors C, Cp).
- Ax,y; Bx,y; Cx,y; Dx,y; VRx,y: 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.
- 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).
- · Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

## Parameters of Probe: EUmmWV4 - SN:9622

#### Basic Calibration Parameters

	Sensor X	Sensor Y	Unc (k = 2)
Norm $(\mu V/(V/m)^2)$	0.02008	0.02511	±10.1%
DCP (mV) <sup>B</sup>	106.0	105.0	±4.7%
Equivalent Sensor Angle	-64.0	34.7	

#### Calibration Results for Frequency Response (750 MHz – 110 GHz)

Frequency GHz	GHz V/m dB		Deviation Sensor Y dB	Unc ( <i>k</i> = 2) dB
0.75	77.2	-0.10	-0.17	±0.43
1.8	140.4	-0.04	-0.03	±0.43
2.0	133.0	0.15	0.17	±0.43
2.2	124.8	-0.06	-0.05	±0.43
2.5	123.0	0.13	0,12	±0.43
3.5	256.2	-0.14	-0.19	±0.43
3.7	249.8	0.08	-0.00	±0.43
6.6	76.1	-0.20	-0.13	±0.98
8.0	68.3	-0.05	-0.09	±0.98
10.0	67.5	0.00	0.00	±0.98
15.0	55.3	0.34	0.21	±0.98
26.6	114.9	-0.05	-0.09	±0.98
30.0	121.2	-0.02	-0.01	±0.98
35.0	119.8	0.08	0.11	±0.98
40.0	105.8	0.08	0.09	±0.98
50.0	60.5	0.13	0.03	±0.98
55.0	75.8	-0.08	-0.03	±0.98
60.0	80.0	0.01	0.01	±0.98
65.0	77.7	0.04	0.02	±0.98
70.0	73.8	0.13	0.12	±0.98
75.0	73.2	-0.07	-0.12	±0.98
75.0	80.8	0.22	0.16	±0.98
80.0	79.9	-0.24	-0.22	±0.98
85.0	47.6	-0.26	-0.27	±0.98
90.0	72.3	-0.00	0.00	±0.98
92.0	72.0	0.12	0.10	±0.98
95.0	66.6	0.15	0.15	±0.98
97.0	57.0	0.15	0.14	±0.98
100.0	55.0	0.06	0.07	±0.98
105.0	53.0	-0.21	-0.21	±0.98
110.0	61.1	-0.03	-0.06	±0.98

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%.

<sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.

## Parameters of Probe: EUmmWV4 - SN:9622

### Calibration Results for Modulation Response

UID	Communication System Name		Α	B	С	D	VR	Max	Max
	-		dB	dBõV		dB	mV	dev.	Unc <sup>E</sup>
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	134.6	±3.0%	±4.7%
		Y	0.00	0.00	1.00		72.9		
10352	Pulse Waveform (200Hz, 10%)	X	3.59	60.00	14.64	10.00	6.0	±1.4%	±9.6%
		Y	3.31	60.00	15.56		6.0		
10353	Pulse Waveform (200Hz, 20%)	X	2.54	60.00	13.34	6.99	12.0	±1.3%	±9.6%
		Y	2.29	60.00	14.47	1	12.0		
10354	Pulse Waveform (200Hz, 40%)	X	1.53	60.00	11.94	3.98	23.0	±1.9%	±9.6%
		Y	1.39	60.00	13.20	1	23.0	۱. ۱	
10355	Pulse Waveform (200Hz, 60%)	X	0.90	60.00	11.15	2.22	27.0	±1.3%	±9.6%
		Y	0.90	60.00	12.18	1	27.0	1	
10387	QPSK Waveform, 1 MHz	Х	1.25	60.00	11.93	1.00	22.0	±1.5%	±9.6%
		Y	1.37	60.00	11.92	1	22.0	1	
10388	QPSK Waveform, 10 MHz	X	1.31	60.00	11.63	0.00	22.0	±0.9%	±9.6%
		Y	1.51	60.00	11.54	1	22.0		
10396	64-QAM Waveform, 100 kHz	X	3.00	63.87	15.23	3.01	17.0	±0.7%	±9.6%
		Y	6.10	71.80	18.21	1	17.0	1	
10399	64-QAM Waveform, 40 MHz	X	2.13	60.00	12.19	0.00	19.0	±0.9%	±9.6%
		Y	2.29	60.00	12.18	1	19.0	1	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.31	60.00	12.65	0.00	12.0	±0.9%	±9.6%
		Y	3.47	60.00	12.65	1	12.0	-	

Note: For details on UID parameters see Appendix

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: EUmmWV4 - SN:9622

### Calibration Results for Linearity Response

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc ( <i>k</i> = 2) dB
0.9	50.0	-0.08	0.05	±0.2
0.9	100.0	-0.00	-0.09	±0.2
0.9	500.0	-0.01	-0.01	±0.2
0.9	1000.0	0.02	0.01	±0.2
0.9	1500.0	-0.00	-0.00	±0.2
0.9	2100.0	-0.02	-0.00	±0.2

### Sensor Frequency Model Parameters (750 MHz - 55 GHz)

	Sensor X	Sensor Y
R (Ω)	178.96	95.17
R <sub>p</sub> (Ω)	211.49	110.20
L (nH)	0.20553	0.10100
C (pF)	0.1314	0.2731
Cp (pF)	0.0340	0.0642

#### Sensor Frequency Model Parameters (55 GHz - 110 GHz)

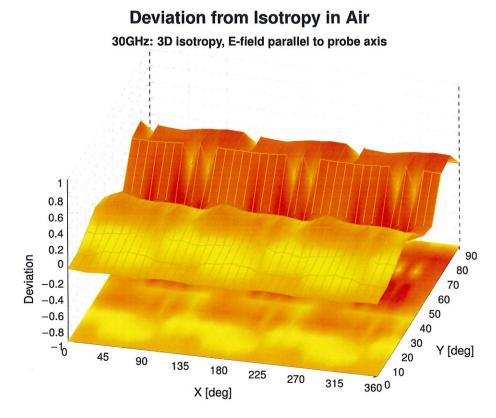
	Sensor X	Sensor Y
R (Ω)	73.72	63.18
R <sub>p</sub> (Ω)	380.16	313.91
L (nH)	0.20024	0.17632
C (pF)	0.0213	0.0248
Cp (pF)	0.0255	0.0303

### **Sensor Model Parameters**

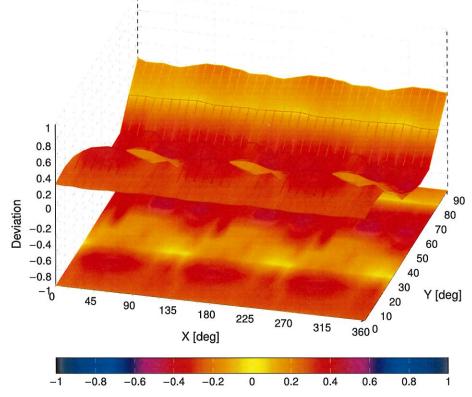
	C1 fF	C2 fF	α V <sup>-1</sup>	T1 msV <sup>-2</sup>	T2 ms V <sup>-1</sup>	T3 ms	T4 V <sup>~2</sup>	T5 V <sup>-1</sup>	T6
X	57.5	416.15	33.40	0.00	10.00	4.98	0.00	1.77	1.01
У	56.0	402.51	33.13	0.00	10.00	5.03	2.00	2.00	1.01

## **Other Probe Parameters**

Sensor Arrangement	Rectangular
Connector Angle	66.0°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm



60GHz: 3D isotropy, E-field parallel to probe axis



Probe isotropy for  $E_{tot}$ : probe rotated  $\phi = 0^{\circ}$  to 360°, tilted from field propagation direction  $\vec{k}$ Parallel to the field propagation ( $\psi = 0^{\circ} - 90^{\circ}$ ) at 30 GHz: deviation within ±0.37 dB Parallel to the field propagation ( $\psi = 0^{\circ} - 90^{\circ}$ ) at 60 GHz: deviation within ±0.44 dB

# **Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WIFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g 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
10020	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
10020	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	
10029	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)			±9.6
			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	9.09	
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN		±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067				10.12	±9.6
<b></b>	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	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10103	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QFSK)	LTE-FDD		
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-GAW)	LTE-FDD	6.43	±9.6
L				5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

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, 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, 15MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-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, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 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	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	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 802.11n (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, 7.2 Mbps, 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	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)	WLAN	8.48	±9.6
	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	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 (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
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-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TOD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (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, 15MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	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	0		Une Ere o
10307	AAA	Communication System Name IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
10307	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.49	±9.6
			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
	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		
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)		1.54	±9.6
10410	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
	+		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	<u>±9.6</u>
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
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10469	AAG	LTE-TDD (SO-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subirante=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10403	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 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)		8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subirame=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-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	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)	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
1 10020		······································		V	
1		IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	+ + + + n
10526 10527 10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN WLAN	8.21 8.36	±9.6 ±9.6
10527 10528	AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN WLAN	8.36 8.36	±9.6 ±9.6
10527 10528 10529 10531	AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN WLAN WLAN	8.36 8.36 8.43	±9.6 ±9.6 ±9.6
10527 10528 10529 10531 10532	AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN WLAN WLAN WLAN	8.36 8.36 8.43 8.29	±9.6 ±9.6 ±9.6 ±9.6
10527 10528 10529 10531	AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN WLAN WLAN	8.36 8.36 8.43 8.29 8.38	+9.6 +9.6 +9.6 +9.6 +9.6 +9.6
10527 10528 10529 10531 10532 10533 10533	AAC AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.36 8.43 8.29 8.38 8.45	+9.6 +9.6 +9.6 +9.6 +9.6 +9.6 +9.6
10527 10528 10529 10531 10532 10533	AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.36 8.43 8.29 8.38 8.45 8.45	$ \begin{array}{r} \pm 9.6 \\ \pm 9.6 \end{array} $
10527 10528 10529 10531 10532 10533 10534 10535	AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.36 8.43 8.29 8.38 8.45 8.45 8.45 8.32	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10527 10528 10529 10531 10532 10533 10534 10535 10536	AAC AAC AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.36 8.36 8.43 8.29 8.38 8.45 8.45	$ \begin{array}{r} \pm 9.6 \\ \pm 9.6 \end{array} $

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
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) IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN WLAN	8.37	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.38	±9.6 ±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 10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN WLAN	8.10	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 54Mpps, 99pc duty cycle)	WLAN	8.30	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6 ±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.95	±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/h 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 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) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 38 Mbps, 90pc duty cycle)	WLAN WLAN	8.76	±9.6 ±9.6
10590	AAC	IEEE 802.11a/h Wiri 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6 ±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	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
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) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN WLAN	9.03	±9.6
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, sopc duty cycle)	WLAN WLAN	8.76	±9.6
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS8, 90pc duty cycle)	WLAN	8.97	±9.6 ±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
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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
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
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.81	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN WLAN	8.58	±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 10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAC AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle) IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN WLAN	8.81	±9.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6 ±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	8.85	±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
10654	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD LTE-TDD	7.42	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6 ±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	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 AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN WLAN	8,73	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.78	±9.6 ±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, MCS0, sope 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
	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)			

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
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
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	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 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) IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.49	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.53	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN WLAN	8.54 8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.54	±9.6 ±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	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
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 (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30KHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.92	±9.6 ±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 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	7.84	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	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 FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
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	8.36	±9.6
10824 10825	AAD 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 (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10020	1440		5G NR FR1 TDD	8.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
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 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 (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	8.41	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR1 TDD 5G NR FR2 TDD	5.89 5.75	±9.6 ±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6 ±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
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR 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, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.67	±9.6
	AAB 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 (DFT-s-OFDM, 1 RB, 30 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 (DFT-s-OFDM, 1 RB, 40 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, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAD	5G NR (DF1-S-OFDM, T RB, 80 MHZ, QPSK, 30 KHZ) 5G NR (DFT-S-OFDM, 50% RB, 5 MHZ, QPSK, 30 kHZ)	5G NR FR1 TDD	5.68	±9.6
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.78 5.93	±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6 ±9.6
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	ŧ
1.0010				0.03	±9.6

1991         AAB         50 NR (PFIT-OFDM, 50% RB, 25MHz, 0PSK, 35MHz)         50 NR (PFIT-TDD         5.84         9.96           19918         AAB         50 NR (PFIT-OFDM, 50% RB, 30MHz, 0PSK, 35MHz)         50 NR (PFIT-TDD         5.84         9.96           19918         AAB         50 NR (PFIT-OFDM, 50% RB, 30MHz, 0PSK, 30MHz)         50 NR (PFIT-TDD         5.84         9.86           19918         AAB         50 NR (PFIT-OFDM, 50% RB, 30MHz, 0PSK, 30MHz)         50 NR (PFIT-TDD         5.85         9.85           19919         AAB         50 NR (PFIT-OFDK, 50% NR, 700% NB,	UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
1991         AMB         SO NR FIRT TOD         5.85         1.95           1991         AMB         SO NR FIRT TOD         5.85         1.965           1991         AMB         SO NR FIRT TOD         5.85         1.965           1991         AMB         SO NR FIRT TOD         5.87         1.965           1991         AMB         SO NR FIRT TOD         5.87         1.965           1991         AMB         SO NR FIRT TOD         5.87         1.966           1991         AMB         SO NR FIRT TOD         5.86         1.956           1992         AMB         SO NR FIRT TOD         5.86         1.956           1992         AMB         SO NR FIRT TOD         5.82         1.866           1992         AMB         SO NR FIRT TOD         5.82         1.866           1992         AMB         SO NR FIRT TOD         5.82         1.866           1993         SO NR FIRT TOD         5.84         1.		AAB		5G NR FR1 TDD	5.93	±9.6
19914         AMB         50 KH REFT=20FDM, 50% RE, 30MHz, 029K, 30MH2         S0 KH FRITTDD         5.83         9.95           19915         AMB         50 KH REFT=20FDM, 50% RE, 30MHz, 029K, 30MH2         S0 KH FRITTDD         5.84         9.96           19917         AMB         50 KH REFT=20FDM, 50% RE, 30MH2, 029K, 30MH2         S0 KH FRITTDD         5.84         9.96           19918         AMS         50 KH REFT=20FDM, 100% RE, 105MH2, 02FK, 30MH2         S0 KH REFT<10D				5G NR FR1 TDD	5.84	±9.6
19916         AAB         56 NN (DFE-OFDM, 59K, R6, 00MHz, QFSK, 50MHz)         50 NN FR HT TDD         5.87         1986           19917         AAB         56 NN (DFE-OFDM, 59K, R8, 100MHz, QFSK, 50MHz)         56 NN FFH TDD         5.84         29.6           19917         AAB         56 NN (DFE-OFDM, 100K, R8, 100MHz, QFSK, 50MHz)         56 NN FFH TDD         5.86         19.6           19918         AAC         56 NN (DFE-OFDM, 100K, R8, 10MHz, QFSK, 50MHz)         56 NN FFH TDD         5.86         19.6           19918         AAC         56 NN (DFE-OFDM, 100K, R8, 10MHz, QFSK, 50MHz)         56 NN FFH TDD         5.84         49.6           1992         AAB         56 NN (DFE-OFDM, 100K, R8, 20MHz, QFSK, 50MHz)         56 NN FFH TDD         5.84         49.6           19982         AAB         56 NN (DFE-OFDM, 100K, R8, 20MHz, QFSK, 50MHz)         56 NN FFH TDD         5.84         49.6           19984         AAB         56 NN (DFE-OFDM, 100K, R9, 20MHz, QFSK, 50MHz)         56 NN (FFE-OFDM, 100K, R9, 20MHz, QFSK, 50MHz)         56 NN (FFE TO DE-SET         49.6           19984         AAB         56 NN (DFE-OFDM, 100K, R9, 20MHz, QFSK, 50MHz)         56 NN (FFE TO DE-SET         49.6           19984         AAD         56 NN (DFE-OFDM, 100K, R9, 20MHz, QFSK, 50MHz)         56 NN (FFE TO DE-SET         49.6						±9.6
19916         AAB         5G NR PERTOD         597         196           19917         AAB         5G NR DPT-GOTM, 695 RB, 100HL, QPEK, 30HL)         15G NR PERT TDD         564         956           19919         AAB         5G NR DPT-GOTM, 1005 KB, 100HL, QPEK, 30HL)         15G NR PERT TDD         564         956           19919         AAB         5G NR DPT-GOTM, 1005 KB, 100HL, QPEK, 30HL)         15G NR PERT TDD         564         956           19921         AAB         5G NR DPT-GOTM, 1005 KB, 20HL, QPEK, 30HL)         5G NR PERT TDD         584         495           19922         AAB         5G NR DPT-GOTM, 1005 KB, 20HL, QPEK, 30HL)         5G NR PERT TDD         584         495           19923         AAB         5G NR DPT-GOTM, 1005 KB, 20HL, QPEK, 30HL)         5G NR PERT TDD         584         495           19924         AAB         5G NR DPT-GOTM, 1005 KB, 20HL, QPEK, 30HL)         5G NR PERT TDD         584         496           19924         AAB         5G NR DPT-GOTM, 1005 KB, 20HL, QPEK, 30HL)         5G NR PERT TDD         554         496           19984         AAB         5G NR PERT TDD         554         496         196         196         196         196         196         196         196         196         196						
19917         AAB         50 NR (DFE-OPDM, 1997, BL, 1001HL, OPEX, 301HL)         53 NR FFI TOD         5.64         4.95           19918         AC         56 NR (DFE-OPDM, 1007, BB, 100HL, OPEX, 301HL)         56 NR FFI TOD         5.66         1.95           19920         AB         56 NR (DFE-OPDM, 1007, BB, 100HL, OPEX, 301HL)         56 NR FFI TOD         5.87         1.95           19921         AB         56 NR (DFE-OPDM, 1007, BB, 30HL, OPEX, 301HL)         56 NR FFI TOD         5.84         1.95           19922         AB         56 NR (DFE-OPDM, 1007, BB, 30HL, OPEX, 301HL)         56 NR FFI TOD         5.84         1.96           19924         AB         56 NR (DFE-OPDM, 1007, BB, 30HL, OPEX, 301HL)         56 NR FFI TOD         5.84         1.96           19924         AB         56 NR (DFE-OPDM, 1007, BB, 30HL, OPEX, 301HL)         56 NR FFI TOD         5.84         1.96           19924         AB         50 NR (DFE-OPDM, 1007, BB, 30HL, OPEX, 301HL)         50 NR FFI TOD         5.84         1.96           19924         AB         50 NR (DFE-OPDM, 1007, BB, 30HL, OPEX, 30HL)         50 NR FFI TDD         5.84         1.96           19926         AAC         50 NR (DFE-OPDM, 1005, BB, 30HL, OPEX, 15HL)         50 NR FFI TDD         5.54         1.96         1.95           <						
19919         AAC         15 GN NP, DET=ACPEM, 100K, BB, 5MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.66         19.57           19919         AAB         5G NN (DFT=ACPEM, 100K, BB, 15 MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.67         19.56           19921         AAB         5G NN (DFT=ACPEM, 100K, BB, 25 MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.64         4.95           19921         AAB         5G NN (DFT=ACPEM, 100K, BB, 25 MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.64         4.95           19923         AAB         5G NN (DFT=ACPEM, 100K, BB, 25 MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.64         1.95           19924         AAB         5G NN (DFT=ACPEM, 100K, BB, 20 MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.64         1.95           19925         AAB         5G NN (DFT=ACPEM, 100K, BB, 20 MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.64         1.95           19928         AAB         5G NN (DFT=ACPEM, 100K, BB, 20 MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.64         1.95           19928         AAC         5G NN (DFT=ACPEM, 178, 5MHz, QPSK, 300Hz)         15 GN NP, FEH TDD         5.54         1.95           19928         AAC         5G NN (DFT=ACPEM, 178, 5MHz, QPSK, 15MHz)         15 GN NP, FEH TDD         5.54						
1999         AAB         5G NR (DFE-OFEM, 1006, KB, 10ML, QPEK, 30HL)         5G NR PFH TDD         5.66         19.5           1992         AAB         5G NR (DFE-OFEM, 1006, KB, 10ML, QPEK, 30HL)         5G NR FFH TDD         5.84         19.6           1992         AAB         5G NR (DFE-OFEM, 1006, KB, 20ML, QPEK, 30HL)         5G NR FFH TDD         5.84         19.6           1992         AAB         5G NR (DFE-OFEM, 1006, KB, 20ML, QPEK, 30HL)         5G NR FFH TDD         5.84         19.6           1992         AAB         5G NR (DFE-OFEM, 1006, KB, 20ML, QPEK, 30HL)         5G NR FFH TDD         5.84         19.6           1992         AAB         5G NR (DFE-OFEM, 1006, KB, 20ML, QPEK, 30HL)         5G NR FFH TDD         5.84         19.6           1992         AAB         5G NR (DFE-OFEM, 1006, KB, 80ML, QPEK, 30HL)         5G NR FFH TDD         5.84         19.6           1992         AAC         5G NR (DFE-OFEM, 1008, KB, 80ML, QPEK, 30HL)         5G NR FFH TDD         5.84         19.6           1992         AAC         5G NR (DFE-OFEM, 1008, KB, 80ML, QPEK, 15HH2)         5G NR FFH TDD         5.51         19.6           1993         AAC         5G NR (DFE-OFEM, 188, 20ML, QPEK, 15HH2)         5G NR FFH TDD         5.51         19.6           19939         AAC						
19820         AMB         50 NR (DFT-GPDM, 1005 RB, 2014L, OPSK, 2014L)         50 NR FFT 100         5.87         19.5           19921         AMB         50 NR (DFT-GPDM, 1005 RB, 2014L, OPSK, 2014L)         50 NR FFT 100         5.82         19.6           19922         AMB         50 NR (DFT-GPDM, 1005 RB, 2014L, OPSK, 2014L)         50 NR FFT 100         5.84         19.6           19924         AMB         50 NR (DFT-GPDM, 1005 RB, 2014L, OPSK, 2014L)         50 NR FFT 100         5.84         19.6           19924         AMB         50 NR (DFT-GPDM, 1005 RB, 2014L, OPSK, 2014L)         50 NR FFT 100         5.84         19.6           19924         AMB         50 NR (DFT-GPDM, 1005 RB, 2014L, OPSK, 1544L)         50 NR FFT 100         5.84         19.6           19927         AMB         50 NR (DFT-GPDM, 1078 RB, 2014L, OPSK, 1544L)         50 NR FFT 100         5.52         19.6           19928         AAC         50 NR (DFT-GPDM, 1 RB, 2014L, OPSK, 1544L)         50 NR FFT 100         5.51         19.6           19928         AAC         50 NR (DFT-GPDM, 1 RB, 2014L, OPSK, 1544L)         50 NR FFT 100         5.51         19.6           19938         AAC         50 NR (DFT-GPDM, 1 RB, 2014L, OPSK, 1544L)         50 NR FFT 100         5.51         19.6           19938 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
1982         AMB         SO NR (DFT-GPTM, 109X, RB, 2014Hz, OPSK, 2014Hz)         SG NR FFT TOD         4.84         1.95           1982         AMB         SO NR (DFT-GPTM, 109X, RB, 2014Hz, OPSK, 2014Hz)         SG NR FFT TOD         4.84         1.95           1982         AMB         SO NR (DFT-GPTM, 109X, RB, 3014Hz, OPSK, 2014Hz)         SG NR FFT TOD         5.84         1.95           1982         AMB         SO NR (DFT-GPTM, 109X, RB, 4014Hz, OPSK, 2014Hz)         SG NR FFT TOD         5.84         1.95           1982         AMB         SO NR (DFT-GPTM, 109X, RB, 4014Hz, OPSK, 2014Hz)         SG NR FFT TOD         5.84         1.96           1982         AMB         SO NR (DFT-GPTM, 109X, RB, 4014Hz, OPSK, 1544Hz)         SG NR FFT FOD         5.52         1.95           1982         AMC         SO NR (DFT-GPTM, 178K, 1994Hz, OPSK, 1544Hz)         SG NR FFT FOD         5.52         1.95           10982         AMC         SO NR (DFT-GPTM, 178K, 1994Hz, OPSK, 1544Hz)         SO NR FFT FOD         5.52         1.95           10982         AMC         SO NR (DFT-GPTM, 178K, 1994Hz, OPSK, 1544Hz)         SO NR FFT FOD         5.51         1.96           10982         AMC         SO NR (DFT-GPTM, 178K, 1994Hz, OPSK, 1544Hz)         SO NR FFT FOD         5.51         1.96           10982<				L		
1982         AAB         50 NR (DFF-0PDM, 1007, RB, 25MHz, OPSK, 20Hz)         50 NR FFI TOD         5.82         1.95           1982         AAB         50 NR (DFF-0PDM, 1007, RB, 20MHz, OPSK, 20Hz)         50 NR FFI TOD         5.84         1.96           1982         AAB         50 NR (DFF-0PDM, 1007, RB, 20MHz, OPSK, 20Hz)         50 NR FFI TOD         5.84         1.96           1992         AAB         50 NR (DFF-0PDM, 1007, RB, 20MHz, OPSK, 20Hz)         50 NR FFI TOD         5.84         1.95           1992         AAB         50 NR (DFF-0PDM, 1007, RB, 20MHz, OPSK, 20Hz)         50 NR FFI TOD         5.82         1.96           1992         AAD         50 NR (DFF-0PDM, 1007, RB, 20MHz, OPSK, 15Hz)         50 NR FFI TDD         5.52         1.96           1992         AAC         50 NR (DFF-0PDM, 1 RB, 20MHz, OPSK, 15Hz)         50 NR FFI TDD         5.51         1.96           1993         AAC         50 NR (DFF-0PDM, 1 RB, 20MHz, OPSK, 15Hz)         50 NR FFI TDD         5.51         1.96           1993         AAC         50 NR (DFF-0PDM, 1 RB, 20MHz, OPSK, 15Hz)         50 NR FFI TDD         5.51         1.96           1993         AAC         50 NR (DFF-0PDM, 1 RB, 20MHz, OPSK, 15Hz)         50 NR FFI TDD         5.51         1.96           1994         AAC		·		<u> </u>		
19282         AAB         50 NR (DFT=0-FIM, 100X, RB, 30MHz, OPSK, 30HHz)         50 NR FR1 TOD         5.84         19.6           19284         AAB         50 NR (DFT=0-OFM, 100X, RB, 30MHz, OPSK, 30HHz)         50 NR FR1 TOD         5.85         19.6           19284         AAB         50 NR (DFT=0-OFM, 100X, RB, 30MHz, OPSK, 30HHz)         50 NR FR1 TOD         5.84         19.6           19284         AAB         50 NR (DFT=0-OFM, 100X, RB, 30MHz, OPSK, 30HHz)         50 NR FR1 FDD         5.52         19.6           19284         AAC         50 NR (DFT=0-OFM, 1 RB, 5MHz, OPSK, 15HHz)         50 NR FR1 FDD         5.52         19.6           19284         AAC         50 NR (DFT=0-OFM, 1 RB, 5MHz, OPSK, 15HHz)         50 NR FR1 FDD         5.51         19.6           19392         AAC         50 NR (DFT=0-OFM, 1 RB, 30MHz, OPSK, 15HHz)         50 NR FR1 FDD         5.51         19.6           19392         AAC         50 NR (DFT=0-OFM, 1 RB, 30MHz, OPSK, 15HHz)         50 NR FR1 FDD         5.51         19.6           19394         AAC         50 NR (DFT=0-OFM, 1 RB, 30MHz, OPSK, 15HHz)         50 NR FR1 FDD         5.51         19.6           19394         AAC         50 NR (DFT=0-OFM, 1 RB, 30MHz, OPSK, 15HHz)         50 NR FR1 FDD         5.51         19.6         19.6         19.6	<u> </u>					
19824         AMB         SQ NR (DF-CFDM, 100% RB, 20MHz, OPSK, 30MHz)         SQ NR NFR 1TDD         5.84         19.6           19826         AMB         SG NR NDFT-CFDM, 100% RB, 20MHz, OPSK, 30HHz)         SG NR FR 1TDD         5.84         19.6           19827         AMB         SG NR IDFT-CFDM, 100% RB, 20MHz, OPSK, 15.9Hz)         SG NR FR 1TDD         5.84         19.6           19828         AMC         SG NR IDFT-CFDM, 108, SMHz, OPSK, 15.9Hz)         SG NR FR 1FDD         5.52         19.6           19829         AMC         SG NR IDFT-CFDM, 18, SMHz, OPSK, 15.9Hz)         SG NR FR 1FDD         5.51         1.8           19839         AMC         SG NR IDFT-CFDM, 188, 20MHz, OPSK, 15.9Hz)         SG NR FR 1FDD         5.51         1.8           19839         AMC         SG NR IDFT-CFDM, 188, 20MHz, OPSK, 15.9Hz)         SG NR IPR 1FDD         5.51         1.8           19839         AMC         SG NR IDFT-CFDM, 188, 20MHz, OPSK, 15.9Hz)         SG NR IPR 1FDD         5.51         1.8           19839         AMC         SG NR IDFT-CFDM, 188, 20MHz, OPSK, 15.9Hz)         SG NR IPR 1FDD         5.51         1.8           19839         AMC         SG NR IDFT-CFDM, 188, 20MHz, OPSK, 15.9Hz)         SG NR IPR 1FDD         5.51         1.8           19830         AMC	10923	AAB				
19282         AAB         5G NR (DFT-OFDM, 100% RB, 50MH2, OPSK, 30H2)         5G NR FRI TDD         5.94         19.6           19282         AAB         5G NR (DFT-OFDM, 100% RB, 50MH2, OPSK, 30H2)         5G NR FRI TDD         5.94         19.6           19282         AAB         5G NR (DFT-OFDM, 100% RB, 50MH2, OPSK, 15H41)         5G NR FRI TDD         5.52         19.6           19282         AAC         5G NR (DFT-OFDM, 178, 5MH2, OPSK, 15H41)         5G NR FRI FDD         5.52         19.6           10393         AAC         5G NR (DFT-OFDM, 178, 5MH2, OPSK, 15H41)         5G NR FRI FDD         5.51         1.96           10393         AAC         5G NR (DFT-OFDM, 178, 5MH2, OPSK, 15H41)         5G NR FRI FDD         5.51         1.96           10382         AAC         5G NR (DFT-OFDM, 178, 5MH2, OPSK, 15H41)         5G NR FRI FDD         5.51         1.96           10383         AAC         5G NR (DFT-OFDM, 178, 5MH2, OPSK, 15H41)         5G NR FRI FDD         5.51         1.96           10384         AAC         5G NR (DFT-OFDM, 178, 5MH2, OPSK, 15H41)         5G NR FRI FDD         5.51         1.96           10384         AAC         5G NR (DFT-OFDM, 50%, RB, 10H42, OPSK, 15H41)         5G NR FRI FDD         5.51         1.96           10384         AAC         5	10924	AAB				
1922         AAB         SG NR IDFT-OPDM, 198, SM-B, 20MHz, OPSK, 15MHz)         SG NN FR1 FDD         5.54         1.96           19282         AAC         SG NR IDFT-OPDM, 198, SM-BL, OPSK, 15MHz)         SG NN FR1 FDD         5.52         1.96           19393         AAC         SG NR IDFT-OPDM, 198, SM-BL, OPSK, 15MHz)         SG NN FR1 FDD         5.52         1.96           19391         AAC         SG NR IDFT-OPDM, 198, SM-BL, OPSK, 15MHz)         SG NR FR1 FDD         5.51         1.96           19392         AAC         SG NR IDFT-OPDM, 188, SM-RL, OPSK, 15MHz)         SG NR FR1 FDD         5.51         1.96           19393         AAC         SG NR IDFT-OPDM, 188, SM-RL, OPSK, 15MHz)         SG NR FR1 FDD         5.51         1.96           19384         AAC         SG NR IDFT-OPDM, 188, SM-RL, OPSK, 15MHz)         SG NR FR1 FDD         5.51         1.96           19385         AAD         SG NR IDFT-OPDM, SVR B, BI-MHZ, OPSK, 15MHz)         SG NR FR1 FDD         5.52         1.96           19388         AAC         SG NR IDFT-OPDM, SVR B, BI-MHZ, OPSK, 15MHz)         SG NR FR1 FDD         5.51         1.96           19388         AAC         SG NR IDFT-OPDM, SVR B, BI-MHZ, OPSK, 15MHz)         SG NR FR1 FDD         5.82         1.96           19384         AAD	10925	AAB				
19282         AAC         6G NH RDF+SOFDM, 1BB, 5MH2, CPSK, 15KH2)         5G NH RFN FDD         5.52         1.96           19392         AAC         6G NH RDF+SOFDM, 1BB, 15MH2, CPSK, 15KH2)         5G NR RFN FDD         5.52         4.96           19391         AAC         5G NR RDF+SOFDM, 1BB, 15MH2, CPSK, 15KH2)         5G NR RFN FDD         5.51         4.96           19391         AAC         5G NR RDF+SOFDM, 1BB, 20MH2, CPSK, 15KH2)         5G NR RFN FDD         5.51         4.96           19393         AAC         5G NR RDF+SOFDM, 1BB, 20MH2, CPSK, 15KH2)         5G NR RFN FDD         5.51         4.96           19383         AAC         5G NR RDF+SOFDM, 1BB, 20MH2, CPSK, 15KH2)         5G NR RFN FDD         5.51         4.96           19383         AAC         5G NR RDF+SOFDM, 578, RB, 5MH2, CPSK, 15KH2)         5G NR RFN FDD         5.50         4.96           19383         AAC         5G NR RDF+SOFDM, 558, RB, 20MH2, CPSK, 15KH2)         5G NR RFN FDD         5.80         4.96           19383         AAC         5G NR RDF+SOFDM, 558, RB, 30MH2, CPSK, 15KH2)         5G NR RFN FDD         5.80         4.96           19384         AAC         5G NR RDF+SOFDM, 559, RB, 30MH2, CPSK, 15KH2)         5G NR RFN FDD         5.88         4.96           19384         AAC	10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10929         AAC         IGA INI (DFT=OFDM, 188, 10MHz, OPSK, 15MHz)         IGA INF FR1 FDD         5.52         4.96           10930         AAC         IGA INE (DFT=OFDM, 1 R8, 20MHz, OPSK, 15MHz)         IGA INF FR1 FDD         5.51         4.96           10931         AAC         IGA INE (DFT=OFDM, 1 R8, 20MHz, OPSK, 15MHz)         IGA INE (DFT=OFDM, 1 R8, 20MHz, OPSK, 15HHz)         IGA INE (DFT=OFDM, 50%, R1, 25HHz)         IGA INE (DFT=OFDM, 50%, R1, 25HHz)         IGA INE (PFT=OFDM, 50%, R1, 35HHz)         IGA INE (PFT=OFDM, 50%, R1, 35HHz)         IGA INE (PFT=OFDM, 50%, R1, 35HHz)         IGA INE (PFT=OFDM, 100%, R1, 30HHz)         <		AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10390         AAC         6G NR EDT-5-OFDM, 188, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.52         1.9.6           10931         AAC         5G NR IDT-5-OFDM, 188, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.51         1.9.6           10932         AAC         5G NR IDT-6-OFDM, 188, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.51         1.9.6           10934         AAC         5G NR IDT-6-OFDM, 188, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.51         1.9.6           10935         AAC         5G NR IDT-6-OFDM, 1788, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.51         1.9.6           10936         AAC         5G NR IDT-6-OFDM, 1788, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.57         1.9.6           10938         AAC         5G NR IDT-6-OFDM, 50% RB, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.80         1.9.6           10938         AAC         5G NR IDT-6-OFDM, 50% RB, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.82         1.9.6           10938         AAC         5G NR IDT-6-OFDM, 50% RB, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.82         1.9.6           10944         AAC         5G NR IDT-6-OFDM, 50% RB, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.85         1.9.6           10944        <				5G NR FR1 FDD	5.52	±9.6
10331         AAC         16 GN III (DFF+0CPM, 188, 20MHz, QPSK, 15KHz)         56 NR FR1 FDD         5.51         1.96           10322         AAC         56 NR FGT+0CPM, 188, 20MHz, QPSK, 15KHz)         50 NR FR1 FDD         5.51         1.96           10333         AAC         56 NR (DFF+0CPM, 1788, 30MHz, QPSK, 15KHz)         50 NR FR1 FDD         5.51         1.96           10384         AAD         56 NR (DFF+0CPM, 1788, 50 MHz, QPSK, 15KHz)         50 NR FR1 FDD         5.51         1.96           10385         AAD         56 NR (DFF+0CPM, 1788, 50 MHz, QPSK, 15KHz)         50 NR FR1 FDD         5.50         1.96           10388         AAC         56 NR (DFF+0CPM, 50% RB, 50 MHz, QPSK, 15KHz)         50 NR FR1 FDD         5.50         1.96           10389         AAC         50 NR (DFF+0CPM, 50% RB, 50 MHz, QPSK, 15KHz)         50 NR FR1 FDD         5.58         1.96           10340         AAC         50 NR (DFF+0CPM, 50% RB, 50 MHz, QPSK, 15KHz)         50 NR FR1 FDD         5.88         1.96           10341         AAC         50 NR FR1 FDD         5.88         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96         1.96				5G NR FR1 FDD	5.52	±9.6
1983         AAC         6G NR [PFT-OFDM, 1 RB, 25MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.51         19.6           1983         AAC         5G NR [PFT-OFDM, 1 RB, 40MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.51         19.6           1983         AAC         5G NR [PFT-OFDM, 1 RB, 50MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.51         19.6           1988         AAC         5G NR [PT-oFDM, 1 RB, 50MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.01         19.6           1988         AAC         5G NR [PT-oFDM, 50% RB, 10MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.82         19.6           1988         AAC         5G NR [PT-oFDM, 50% RB, 20MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.82         19.6           19980         AAC         5G NR [PT-oFDM, 50% RB, 20MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.82         19.6           19940         AAC         5G NR [PT-oFDM, 50% RB, 20MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.83         19.6           19941         AAC         5G NR [PT-oFDM, 50% RB, 20MHz, OPSK, 15KHz]         5G NR FR1 FDD         5.84         19.6           19944         AAC         5G NR [PT-oFDM, 50% RB, 50MHz, OPSK, 15KHz]         5G NR [PT FDD         5.81         19.6           19945         AAC				£		<u>+</u> 9.6
10933         AAC         5G NR IDPTS-OFDM, 1 RB, 30MHz, OPSK, 15KHz)         5G NR FRI FDD         5.51         ±9.6           10934         AAC         5G NR IDPTS-OFDM, 1 RB, 30MHz, OPSK, 15KHz)         5G NR FRI FDD         5.51         ±9.6           10935         AAC         5G NR IDPTS-OFDM, 1 RB, 30MHz, OPSK, 15KHz)         5G NR FRI FDD         5.71         ±9.6           10937         AAC         5G NR IDFTS-OFDM, 50% RB, 15MHz, OPSK, 15KHz)         5G NR FRI FDD         5.77         ±9.6           10938         AAC         5G NR IDFTS-OFDM, 50% RB, 15MHz, OPSK, 15KHz)         5G NR FRI FDD         5.90         ±9.6           10939         AAC         5G NR IDFTS-OFDM, 50% RB, 20MHz, OPSK, 15KHz)         5G NR FRI FDD         5.80         ±9.6           10941         AAC         5G NR IDFTS-OFDM, 50% RB, 20MHz, OPSK, 15KHz)         5G NR FRI FDD         5.83         ±9.6           10942         AAC         5G NR IDFTS-OFDM, 50% RB, 50MHz, OPSK, 15KHz)         5G NR FRI FDD         5.81         ±9.6           10944         AAC         5G NR IDFTS-OFDM, 50% RB, 50MHz, OPSK, 15KHz)         5G NR FRI FDD         5.81         ±9.6           10944         AAC         5G NR IDFTS-OFDM, 100% RB, 50MHz, OPSK, 15KHz)         5G NR FRI FDD         5.81         ±9.6           10944		- · · · · · · · · · · · · · · · · · · ·		·		
1998         AAC         SG NR (PT=-OPDM, 1 RB, 40MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.51         19.6           19985         AAC         SG NR (PT=-OPDM, 1 BB, 40MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.51         19.6           19987         AAC         SG NR (PT=-OPDM, 50%, RB, 5MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.30         19.6           1988         AAC         SG NR (DT=-OPDM, 50%, RB, 10MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.80         49.6           1989         AAC         SG NR (DT=-OPDM, 50%, RB, 20MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.82         19.6           19940         AAC         SG NR (DT=-OFDM, 50%, RB, 20MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.83         19.6           10941         AAC         SG NR (DT=-OFDM, 50%, RB, 20MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.83         19.6           10942         AAC         SG NR (DT=-OFDM, 50%, RB, 20MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.81         19.6           10944         AAC         SG NR (DT=-OFDM, 100%, RB, 50MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.81         19.6           10944         AAC         SG NR (DT=-OFDM, 100%, RB, 50MHz, OPSK, 15Hz)         SG NR FR1 FDD         5.81         19.6           10944         AAC						
10935         AD.         6G NR (DFT=0-CPDM, 1 RB, 50MHz, OPSK, 15kHz)         5G NR (FR1 FDD         5.51         1.96           10936         AAC         5G NR (DFT=0-CPDM, 50% RB, 5MHz, OPSK, 15kHz)         5G NR (PT1 FDD         5.77         49.6           10938         AAC         5G NR (DFT=0-CPDM, 50% RB, 10MHz, OPSK, 15kHz)         5G NR FR1 FDD         5.77         49.6           10938         AAC         5G NR (DFT=0-CPDM, 50% RB, 10MHz, OPSK, 15kHz)         5G NR FR1 FDD         5.82         49.6           10941         AAC         5G NR (DFT=0-CPDM, 50% RB, 20MHz, OPSK, 15kHz)         5G NR FR1 FDD         5.89         49.6           10942         AAC         5G NR (DFT=0-CPDM, 50% RB, 30MHz, OPSK, 15kHz)         5G NR FR1 FDD         5.88         49.6           10942         AAC         5G NR (DFT=0-CPDM, 50% RB, 50MHz, OPSK, 15kHz)         5G NR FR1 FDD         5.86         49.6           10942         AAC         5G NR (DFT=0-CPDM, 100% RB, 50MHz, OPSK, 15kHz)         5G NR FR1 FDD         5.81         49.6           10944         AAC         5G NR (DFT=0-CPM, 100% RB, 52MHz, OPSK, 15kHz)         5G NR FR1 FDD         5.83         49.6           10944         AAC         5G NR (DFT=0-CPM, 100% RB, 20MHz, QPSK, 15kHz)         5G NR FR1 FDD         5.87         49.6           109						
10985         AAC         5G NR (DFT=0CFDM, 50%, RB, 5MHz, QPSK, 15KHz)         5G NR (R1 FDD         5.90         1.96           10937         AAC         5G NR (DFT=0CFDM, 50%, RB, 10 MHz, QPSK, 15KHz)         5G NR (R1 FDD         5.77         19.6           10938         AAC         5G NR (DFT=0CFDM, 50%, RB, 15 MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.82         19.6           10940         AAC         5G NR (DFT=0CFDM, 50%, RB, 25MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.88         19.6           10941         AAC         5G NR (DFT=0CFDM, 50%, RB, 30 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.88         19.6           10942         AAC         5G NR (DFT=0CFDM, 50%, RB, 30 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.81         19.6           10942         AAC         5G NR (DFT=0CFDM, 100%, RB, 5MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.81         19.6           10944         AAC         5G NR (DFT=0CFDM, 100%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.81         19.6           10945         AAC         5G NR (DFT=0CFDM, 100%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.87         19.6           10944         AAC         5G NR (DFT=0CFDM, 100%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.87         19.6						
10937         AAC         5G NR (DFT=0FDM, 50%, RB, 10 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.77         ±3.6           10938         AAC         5G NR (DFT=0FDM, 50%, RB, 15 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.90         ±9.6           10939         AAC         5G NR (DFT=0FDM, 50%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.82         ±9.6           10941         AAC         5G NR (DFT=0FDM, 50%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.89         ±9.6           10942         AAC         5G NR (DFT=0FDM, 50%, RB, 30 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.85         ±9.6           10944         AAC         5G NR (DFT=0FDM, 50%, RB, 50 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.81         ±9.6           10944         AAC         5G NR (DFT=0FDM, 100%, RB, 15 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.81         ±9.6           10944         AAC         5G NR (DFT=0FDM, 100%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.81         ±9.6           10944         AAC         5G NR (DFT=0FDM, 100%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.87         ±9.6           10946         AAC         5G NR (DFT=0FDM, 100%, RB, 20 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.87         ±9.6						
1038         AAC         G NR (DFT=-OFDM, 50%, RB, 15MHz, OPSK, 15KHz)         G NR FRI FDD         5.90         ±9.6           10383         AAC         SG NR (DFT=-OFDM, 50%, RB, 25MHz, OPSK, 15KHz)         SG NR FRI FDD         5.82         ±9.6           10404         AAC         SG NR (DFT=-OFDM, 50%, RB, 25MHz, OPSK, 15KHz)         SG NR FRI FDD         5.83         ±9.6           10441         AAC         SG NR (DFT=-OFDM, 50%, RB, 20MHz, OPSK, 15KHz)         SG NR FRI FDD         5.85         ±9.6           10942         AAC         SG NR (DFT=-OFDM, 50%, RB, 20MHz, OPSK, 15KHz)         SG NR FRI FDD         5.85         ±9.6           10944         AAC         SG NR (DFT=-OFDM, 100% RB, 10MHz, OPSK, 15KHz)         SG NR FRI FDD         5.85         ±9.6           10944         AAC         SG NR (DFT=-OFDM, 100% RB, 10MHz, OPSK, 15KHz)         SG NR FRI FDD         5.84         ±9.6           10946         AAC         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 15KHz)         SG NR FRI FDD         5.84         ±9.6           10947         AAC         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 15KHz)         SG NR FRI FDD         5.94         ±9.6           10948         AAC         SG NR (DFT=-OFDM, 100% RB, 20MHz, OPSK, 15KHz)         SG NR FRI FDD         5.94         ±9.6           10947<					<u> </u>	
10380         AAC         G NR (DFT-S-CPDM, 50%, RB, 20MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.82         ±9.6           10940         AAC         SG NR (DFT-S-CPDM, 50%, RB, 20MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.88         ±9.6           10941         AAC         SG NR (DFT-S-CPDM, 50%, RB, 20MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.88         ±9.6           10942         AAC         SG NR (DFT-S-CPDM, 50%, RB, 20MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.85         ±9.6           10944         AAC         SG NR (DFT-S-CPDM, 100%, RB, 50MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.81         ±9.6           10944         AAC         SG NR (DFT-S-CPDM, 100%, RB, 50MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.81         ±9.6           10944         AAC         SG NR (DFT-S-CPDM, 100%, RB, 50MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.83         ±9.6           10944         AAC         SG NR (DFT-S-CPDM, 100%, RB, 20MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.84         ±9.6           10946         AAC         SG NR (DFT-S-CPDM, 100%, RB, 20MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.87         ±9.6           10946         AAC         SG NR (DFT-S-CPDM, 100%, RB, 20MHz, OPSK, 15kHz)         SG NR FR1 FDD         5.87         ±9.6					<b>.</b>	
10940         AAC         5G NR (DFT->OFDM, 50% RB, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.89         ±9.6           10941         AAC         5G NR (DFT->OFDM, 50% RB, 30MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.83         ±9.6           10942         AAC         5G NR (DFT->OFDM, 50% RB, 40MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.95         ±9.6           10943         AAC         5G NR (DFT->OFDM, 50% RB, 50MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.81         ±9.6           10945         AAC         5G NR (DFT->OFDM, 100% RB, 10MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.82         ±9.6           10946         AAC         5G NR (DFT->OFDM, 100% RB, 15MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.83         ±9.6           10947         AAC         5G NR (DFT->OFDM, 100% RB, 25MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.94         ±9.6           10948         AAC         5G NR (DFT->OFDM, 100% RB, 30MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.94         ±9.6           10949         AAC         5G NR (DFT->OFDM, 100% RB, 30MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.92         ±9.6           10951         AAD         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15KHz)         5G NR FR1 FDD         5.92         ±9.6           10952<						
10941         AAC         GG NR (DFT=O-CPDM, 50% RB, 30MHz, CPSK, 15 KHz)         GG NR FR1 FDD         6.83         ±9.6           10942         AAC         SG NR (DFT=O-CPDM, 50% RB, 30MHz, CPSK, 15 KHz)         SG NR FR1 FDD         5.85         ±9.6           10943         AAC         SG NR (DFT=O-CPDM, 50% RB, 50MHz, CPSK, 15 KHz)         SG NR FR1 FDD         5.81         ±9.6           10944         AAC         SG NR (DFT=O-CPDM, 100% RB, 50MHz, CPSK, 15 KHz)         SG NR FR1 FDD         5.83         ±9.6           10946         AAC         SG NR (DFT=O-CPDM, 100% RB, 15 MHz, QPSK, 15 KHz)         SG NR FR1 FDD         5.83         ±9.6           10947         AAC         SG NR (DFT=O-CPDM, 100% RB, 20 MHz, QPSK, 15 KHz)         SG NR FR1 FDD         5.83         ±9.6           10949         AAC         SG NR (DFT=O-CPDM, 100% RB, 30 MHz, QPSK, 15 KHz)         SG NR FR1 FDD         5.94         ±9.6           10949         AAC         SG NR (DFT=O-CPDM, 100% RB, 30 MHz, QPSK, 15 KHz)         SG NR FR1 FDD         5.92         ±9.6           10954         AAD         SG NR (DFT=O-CPDM, 100% RB, 30 MHz, QPSK, 15 KHz)         SG NR FR1 FDD         5.92         ±9.6           10954         AAC         SG NR (DFT=O-CPDM, 100% RB, 30 MHz, QPSK, 15 KHz)         SG NR FR1 FDD         5.22         ±9.6	10940	AAC			<u>}</u>	·····
10943       AAD       5G NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.95       ±9.6         10944       AAC       5G NR (DFTs-OFDM, 100% RB, 5MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.81       ±9.6         10945       AAC       5G NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.83       ±9.6         10946       AAC       5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87       ±9.6         10947       AAC       5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87       ±9.6         10948       AAC       5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94       ±9.6         10949       AAC       5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92       ±9.6         10950       AAC       5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92       ±9.6         10951       AAD       5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92       ±9.6         10952       AAA       5G NR PR1 FDD       5.92       ±9.6       10955       5.92       ±9.6         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15 kHz) <t< td=""><td>10941</td><td>AAC</td><td>5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)</td><td></td><td><b>k</b></td><td></td></t<>	10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)		<b>k</b>	
10944         AAC         5G NR (DFTa-OFDM, 100% RB, 5MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.81         ±8.6           10946         AAC         5G NR (DFTa-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.85         ±9.6           10947         AAC         5G NR (DFTa-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87         ±9.6           10947         AAC         5G NR (DFTa-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.87         ±9.6           10948         AAC         5G NR (DFTa-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94         ±9.6           10949         AAC         5G NR (DFTa-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94         ±9.6           10950         AAC         5G NR (DFTa-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92         ±9.6           10951         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, GPSK, 15 kHz)         5G NR FR1 FDD         8.25         ±9.6           10952         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.15         ±9.6           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.14         ±9.6	10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	
10945         AAC         5G NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.85         ±9.6           10946         AAC         5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.87         ±9.6           10947         AAC         5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.87         ±9.6           10948         AAC         5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15KHz)         5G NR FR1 FDD         5.94         ±9.6           10949         AAC         5G NR FR1 FDD         5.97         ±9.6           10949         AAC         5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz)         5G NR FR1 FDD         5.94         ±9.6           10950         AAC         5G NR FR1 FDD         5.92         ±9.6         10952         5AA         5G NR FR1 FDD         8.25         ±9.6           10951         AAD         5G NR CL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)         5G NR FR1 FDD         8.15         ±9.6           10955         AAA         5G NR CH FO         5M.3         ±9.6         10955         4AA         5G NR FR1 FDD         8.15         ±9.6           10955         AAA         5G NR CL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)         5G NR FR1 FDD         8.14 <t< td=""><td>10943</td><td>AAD</td><td>5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)</td><td>5G NR FR1 FDD</td><td>5.95</td><td>±9.6</td></t<>	10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10946         AAC         5G NR (DFTs-OFDM, 100% RB, 15MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.83         ±9.6           10947         AAC         5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94         ±9.6           10948         AAC         5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94         ±9.6           10949         AAC         5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.94         ±9.6           10950         AAC         5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92         ±9.6           10951         AAD         5G NR CDT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)         5G NR FR1 FDD         5.92         ±9.6           10952         AAA         5G NR CDC-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25         ±9.6           10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.42         ±9.6           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.41         ±9.6           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31         ±9.6	10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10947       AAC       5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15 KHz)       5G NR FRI FDD       5.87       ±9.6         10948       AAC       5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15 KHz)       5G NR FRI FDD       5.94       ±9.6         10949       AAC       5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz)       5G NR FRI FDD       5.94       ±9.6         10950       AAC       5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 KHz)       5G NR FRI FDD       5.94       ±9.6         10951       AAD       5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz)       5G NR FRI FDD       5.92       ±9.6         10952       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)       5G NR FRI FDD       8.25       ±9.6         10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz)       5G NR FRI FDD       8.23       ±9.6         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 KHz)       5G NR FRI FDD       8.14       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 KHz)       5G NR FRI FDD       8.14       ±9.6         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 KHz)       5G NR FRI FDD       8.31       ±9.6         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 KHz)<		<u> </u>		5G NR FR1 FDD	5.85	±9.6
10948         AAC         5G NR (DFTs-OFDM, 100% RB, 25 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.94         ±9.6           10949         AAC         5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.94         ±9.6           10950         AAC         5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz)         5G NR FR1 FDD         5.92         ±9.6           10951         AAD         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 KHz)         5G NR FR1 FDD         8.22         ±9.6           10952         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 KHz)         5G NR FR1 FDD         8.23         ±9.6           10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 KHz)         5G NR FR1 FDD         8.23         ±9.6           10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)         5G NR FR1 FDD         8.42         ±9.6           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)         5G NR FR1 FDD         8.42         ±9.6           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)         5G NR FR1 FDD         8.31         ±9.6           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)         5G NR FR1 TDD         8.33         ±9.6		1				
10949       AAC       5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.87       ±9.6         10950       AAC       5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94       ±9.6         10951       AAD       5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       8.22       ±9.6         10952       AAA       5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25       ±9.6         10953       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23       ±9.6         10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42       ±9.6         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14       ±9.6         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31       ±9.6         10957       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31       ±9.6         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33       ±9.6         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM,						
10950       AAC       5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.94       ±9.6         10951       AAD       5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92       ±9.6         10952       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25       ±9.6         10953       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23       ±9.6         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.24       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31       ±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, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61       ±9.6         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       9.33       ±9.6         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM,						
10951       AAD       5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15 kHz)       5G NR FR1 FDD       5.92       19.8         10952       AAA       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25       ±9.6         10953       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.25       ±9.6         10954       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.23       ±9.6         10955       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.42       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.14       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.31       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 FDD       8.33       ±9.6         10956       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32       ±9.6         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-					ļ	
10952         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.25         19.6           10953         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.15         19.6           10954         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.42         19.6           10955         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.42         19.6           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.14         19.6           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31         ±9.6           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31         ±9.6           10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.32         ±9.6           10960         AAC         5G NR DL (CP-OFDM, TM 3.1, 10 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         19.6 </td <td>1</td> <td></td> <td></td> <td>1</td> <td></td> <td>\$</td>	1			1		\$
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, 5 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61       ±9.6         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61       ±9.6         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33       ±9.6         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32       ±9.6         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32       ±9.6         10962       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.55       ±9.6         10964       AAC       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64						
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       8.61       ±9.6         10958       AAA       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.61       ±9.6         10959       AAA       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 FDD       8.33       ±9.6         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.32       ±9.8         10961       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36       ±9.6         10962       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.36       ±9.6         10964       AAC       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.29       ±9.6         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64	J					
10955         AAA         5G NR PL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15 kHz)         5G NR FR1 FDD         8.42         19.6           10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.14         ±9.6           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31         ±9.6           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31         ±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           10950         AAC         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.32         ±9.6           10960         AAC         5G NR DL (CP-OFDM, TM 3.1, 10 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         9.32         ±9.6           10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.40         ±9.6           10964         AAC         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.29         ±9.6 </td <td>L</td> <td></td> <td></td> <td></td> <td></td> <td></td>	L					
10956         AAA         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.14         ±9.6           10957         AAA         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.31         ±9.6           10958         AAA         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.61         ±9.6           10959         AAA         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 FDD         8.33         ±9.6           10960         AAC         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 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, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.40         ±9.6           10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.40         ±9.6           10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.55         ±9.6           10963         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.55         ±9.6 </td <td></td> <td></td> <td></td> <td>}</td> <td></td> <td></td>				}		
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, 15 MHz, 64-QAM, 30 KHz)       5G NR FR1 FDD       8.33       ±9.6         10960       AAC       5G NR DL (CP-OFDM, TM 3.1, 20 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, 10 MHz, 64-QAM, 15 KHz)       5G NR FR1 TDD       9.40       ±9.6         10962       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz)       5G NR FR1 TDD       9.40       ±9.6         10963       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz)       5G NR FR1 TDD       9.29       ±9.6         10964       AAC       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 KHz)       5G NR FR1 TDD       9.37       ±9.6         10965       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz)       5G NR FR1 TDD       9.42       ±9.6         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz,				1		
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, 5MHz, 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       9.38       ±9.6         10962       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.40       ±9.6         10962       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)       5G NR FR1 TDD       9.40       ±9.6         10964       AAC       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.45       ±9.6         10965       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.29       ±9.6         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.37       ±9.6         10966       AAB       5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)       5G NR FR1 TDD       9.42       ±9.6         10967       AAB       5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64	10957	AAA				
10960         AAC         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)         5G NR FR1 TDD         9.32         ±9.6           10961         AAB         5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)         5G NR FR1 TDD         9.36         ±9.6           10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)         5G NR FR1 TDD         9.40         ±9.6           10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)         5G NR FR1 TDD         9.40         ±9.6           10963         AAB         5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)         5G NR FR1 TDD         9.55         ±9.6           10964         AAC         5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)         5G NR FR1 TDD         9.29         ±9.6           10965         AAB         5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)         5G NR FR1 TDD         9.37         ±9.6           10966         AAB         5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)         5G NR FR1 TDD         9.55         ±9.6           10967         AAB         5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)         5G NR FR1 TDD         9.42         ±9.6           10972         AAB         5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)         5G NR FR1 TDD         9.42         ±9.6      <		AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD		4
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, 6 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.29         ±9.6           10965         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.37         ±9.6           10966         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.37         ±9.6           10967         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.42         ±9.6           10968         AAB         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.49         ±9.6           10972         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 DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.49         ±9		AAA		5G NR FR1 FDD	8.33	±9.6
10962         AAB         5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.40         ±9.6           10963         AAB         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)         5G NR FR1 TDD         9.55         ±9.6           10964         AAC         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.29         ±9.6           10965         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.37         ±9.6           10966         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.37         ±9.6           10966         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.42         ±9.6           10967         AAB         5G NR DL (CP-OFDM, TM 3.1, 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 (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         9.06         ±9.6					9.32	±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, 5 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.37         ±9.6           10966         AAB         5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.37         ±9.6           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, 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         9.42         ±9.6           10972         AAB         5G NR (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, TM 3.1, 100 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         1.59         ±9.6		· · ···				
10964         AAC         5G NR DL (CP-OFDM, TM 3.1, 5MHz, 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           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, 20 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.42         ±9.6           10968         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         9.42         ±9.6           10972         AAB         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         11.59         ±9.6           10973         AAB         5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         10.28         ±9.6 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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, 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         9.42         ±9.6           10972         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 DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.49         ±9.6           10972         AAB         5G NR IC (CP-OFDM, TM 3.1, 100 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         11.59         ±9.6           10973         AAB         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         10.28         ±9.6           10974         AAB         5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)         5G NR FR1 TDD         10.28         ±9.6<						4
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, 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 DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR FR1 TDD         9.49         ±9.6           10972         AAB         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         11.59         ±9.6           10973         AAB         5G NR (DFTs-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						
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 (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         9.06         ±9.6           10974         AAB         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         9.06         ±9.6           10974         AAB         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         10.28         ±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 HDR94         ULLA         3.19         ±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 (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR FR1 TDD         9.06         ±9.6           10973         AAB         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         9.06         ±9.6           10974         AAB         5G NR (CP-OFDM, 1 00% RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         10.28         ±9.6           10978         AAA         ULLA BDR         ULLA         1.16         ±9.6           10979         AAA         ULLA HDR4         ULLA         8.58         ±9.6           10980         AAA         ULLA HDR8         ULLA         10.32         ±9.6           10981         AAA         ULLA HDR94         ULLA         3.19         ±9.6					1	
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, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         10.28         ±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					·	
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, QPSK, 30 kHz)         5G NR FR1 TDD         10.28         ±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					· · · · · · · · · · · · · · · · · · ·	
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 HDR94         ULLA         3.19         ±9.6				<u></u>	1	
10978         AAA         ULLA BDR         ULLA         1.16         ±9.6           10979         AAA         ULLA HDR4         ULLA         8.58         ±9.6           10980         AAA         ULLA HDR8         ULLA         10.32         ±9.6           10981         AAA         ULLA HDR94         ULLA         3.19         ±9.6						
10979         AAA         ULLA HDR4         ULLA         8.58         ±9.6           10980         AAA         ULLA HDR8         ULLA         10.32         ±9.6           10981         AAA         ULLA HDR94         ULLA         3.19         ±9.6						
10980         AAA         ULLA HDR8         ULLA         10.32         ±9.6           10981         AAA         ULLA HDRp4         ULLA         3.19         ±9.6						
	10980	AAA				
10982 AAA ULLA HDRp8 ULLA 3.43 ±9.6	10981	AAA		ULLA	3.19	±9.6
	10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10983	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

<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.