Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

IBC-MRA



Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

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

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Certificate No.

EX-3991\_Oct23

# CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:3991
Calibration procedure(s)	QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8 Calibration procedure for dosimetric E-field probes
Calibration date	October 12, 2023
	nents the traceability to national standards, which realize the physical units of measurements (SI). rertainties with confidence probability are given on the following pages and are part of the certificate.

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249_Oct22)	Oct-23
OCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016_Oct22)	Oct-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013_Jan23)	Jan-24

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

	Name	Function	Signature
Calibrated by	Jeton Kastrati	Laboratory Technician	elle
Approved by	Sven Kühn	Technical Manager	Sa
This calibration certificate shall r	not be reproduced except in full with	nout written approval of the laborate	Issued: October 12, 2023 pry.

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### Glossary

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

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

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

### Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization ∂ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx, y, z are only intermediate values, i.e., the uncertainties of NORMx, y, z does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- *NORM(f)x,y,z* = *NORMx,y,z* \* *frequency\_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- *DCPx,y,z*: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \le 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y, z \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required),

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc $(k=2)$
Norm $(\mu V/(V/m)^2)^A$	0.41	0.42	0.62	±10.1%
DCP (mV) <sup>B</sup>	106.0	107.5	106.0	±4.7%

#### **Calibration Results for Modulation Response**

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> k = 2
0	CW	X	0.00	0.00	1.00	0.00	169.6	±3.0%	±4.7%
		Y	0.00	0.00	1.00		177.4		
		Z	0.00	0.00	1.00		159.5	1	
10352	Pulse Waveform (200Hz, 10%)	X	20.00	91.65	22.43	10.00	60.0	±3.0%	±9.6%
		Y	20.00	91.68	21.35		60.0		
		Z	1.48	60.39	6.05	-	60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	91.07	20.80	6.99	80.0	±2.2%	±9.6%
		Y	20.00	91.95	20.49		80.0		
		Z	8.00	72.00	9.00		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	91.59	19.46	3.98	95.0	±2.1%	±9.6%
		Y	20.00	93.99	20.18		95.0	1	
		Z	0.12	136.09	0.00		95.0		
10355 Pulse Wave	Pulse Waveform (200Hz, 60%)	X	20.00	92.74	18.57	2.22	120.0	±1.3%	±9.6%
		Y	20.00	96.66	20.15		120.0		
		Z	7.03	159.76	22.68		120.0	1	
10387	QPSK Waveform, 1 MHz	X	1.72	65.32	14.86	1.00	150.0	±3.6%	±9.6%
		Y	1.66	65.57	14.63		150.0		
		Z	0.51	63.38	11.83		150.0		1.1
10388	QPSK Waveform, 10 MHz	X	2.28	68.10	15.53	0.00	150.0	±0.9%	±9.6%
		Y	2.21	67.77	15.35		150.0		
		Z	1.29	65.62	13.54	L	150.0		
10396	64-QAM Waveform, 100 kHz	X	3.55	71.89	19.04	3.01	150.0	±0.8%	±9.6%
		Y	3.09	71.42	18.83		150.0		
		Z	1.70	64.83	16.11		150.0	11	
10399	64-QAM Waveform, 40 MHz	X	3.52	67.14	15.66	0.00	150.0	±2.3%	±9.6%
		Y	3.51	67.18	15.61		150.0		
		Z	2.78	66.20	14.98		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.96	65.57	15.40	0.00	150.0	±3.9%	±9.6%
		Y	4.72	65.09	15.09		150.0		
		Z	3.75	65.89	15.16		150.0		

Note: For details on UID parameters see Appendix

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

<sup>A</sup> The uncertainties of Norm X,Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 to 7). <sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.

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

### **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms V <sup>-2</sup>	T2 ms V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	64.3	473.51	34.72	22.60	1.18	5.07	0.79	0.56	1.01
у	50.8	368.63	33.78	20.28	0.24	5.10	1.41	0.21	1.01
z	9.4	68.00	33.72	3.17	0.00	4.90	0.43	0.00	1.00

### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	-63.6°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

### Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc ( <i>k</i> = 2)
6	55.0	0.75	21.01	21.01	21.01	0.00	1.00	±13.3%
13	55.0	0.75	17.98	17.98	17.98	0.00	1.00	±13.3%
30	55.0	0.75	16.09	16.09	16.09	0.00	1.00	±13.3%
64	54.2	0.75	14.50	14.50	14.50	0.00	1.00	±13.3%
450	43.5	0.87	11.58	11.58	11.58	0.16	1.30	±13.3%
750	41.9	0.89	10.04	10.04	10.04	0.39	0.91	±12.0%
900	41.5	0.97	9.54	9.54	9.54	0.44	0.80	±12.0%
1450	40.5	1.20	8.39	8.39	8.39	0.43	0.80	±12.0%
1640	40.2	1.31	8.35	8.35	8.35	0.25	0.86	±12.0%
1750	40.1	1.37	8.31	8.31	8.31	0.29	0.86	±12.0%
1900	40.0	1.40	8.28	8.28	8.28	0.26	0.86	±12.0%
2100	39.8	1.49	8.36	8.36	8.36	0.28	0.86	±12.0%
2300	39.5	1.67	7.98	7.98	7.98	0.30	0.90	±12.0%
2450	39.2	1.80	7.72	7.72	7.72	0.31	0.90	±12.0%
2600	39.0	1.96	7.63	7.63	7.63	0.43	0.90	±12.0%
3300	38.2	2.71	7.14	7.14	7.14	0.30	1.35	±14.0%
3500	37.9	2.91	7.07	7.07	7.07	0.30	1.35	±14.0%
3700	37.7	3.12	7.04	7.04	7.04	0.30	1.40	±14.0%
3900	37.5	3.32	6.82	6.82	6.82	0.40	1.60	±14.0%
4100	37.2	3.53	6.62	6.62	6.62	0.40	1.60	±14.0%
4200	37.1	3.63	6.57	6.57	6.57	0.40	1.70	±14.0%
4400	36.9	3.84	6.31	6.31	6.31	0.40	1.70	±14.0%
4600	36.7	4.04	6.29	6.29	6.29	0.40	1.70	±14.0%
4800	36.4	4.25	6.28	6.28	6.28	0.40	1.80	±14.0%
4950	36.3	4.40	6.03	6.03	6.03	0.40	1.80	±14.0%
5250	35.9	4.71	5.70	5.70	5.70	0.40	1.80	±14.0%
5600	35.5	5.07	4.92	4.92	4.92	0.40	1.80	±14.0%
5750	35.4	5.22	5.24	5.24	5.24	0.40	1.80	±14.0%

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

F The probes are calibrated using tissue simulating liquids (TSL) that deviate for e and  $\sigma$  by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc ( <i>k</i> = 2)
5850	35.2	5.32	5.14	5.14	5.14	0.40	1.80	±14.0%

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

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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

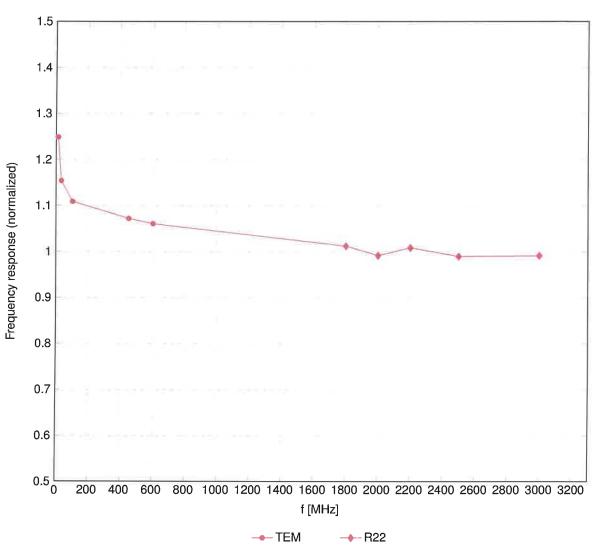
#### **Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc ( <i>k</i> = 2)
6500	34.5	6.07	5.40	5.40	5.40	0.20	2.50	±18.6%

<sup>C</sup> Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  by less than ±10% from the target values (typically better than ±6%)

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

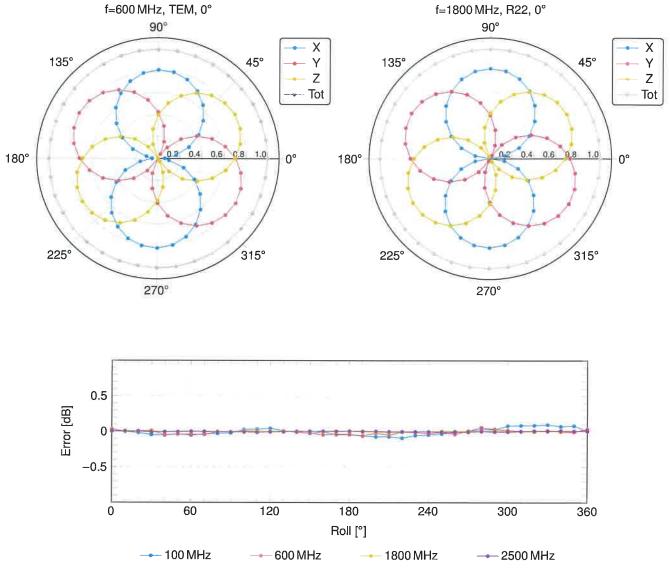
<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 6-10 GHz at any distance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



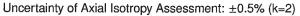
# **Frequency Response of E-Field**

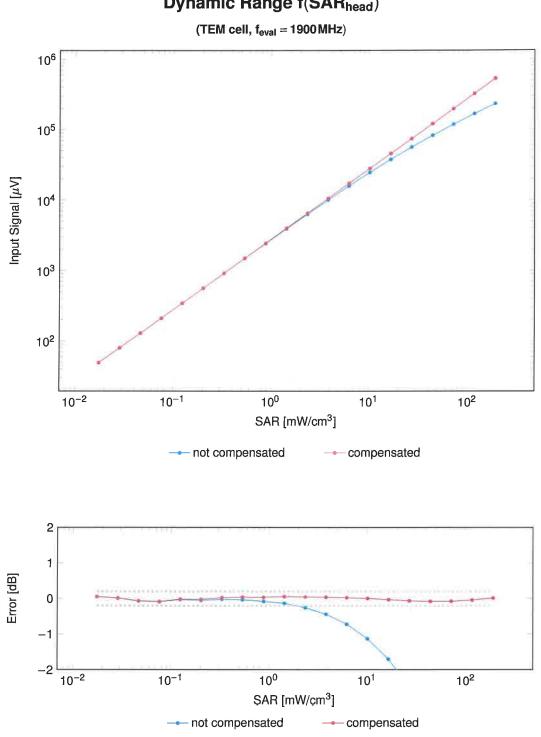
(TEM-Cell:ifi110 EXX, Waveguide:R22)

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



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

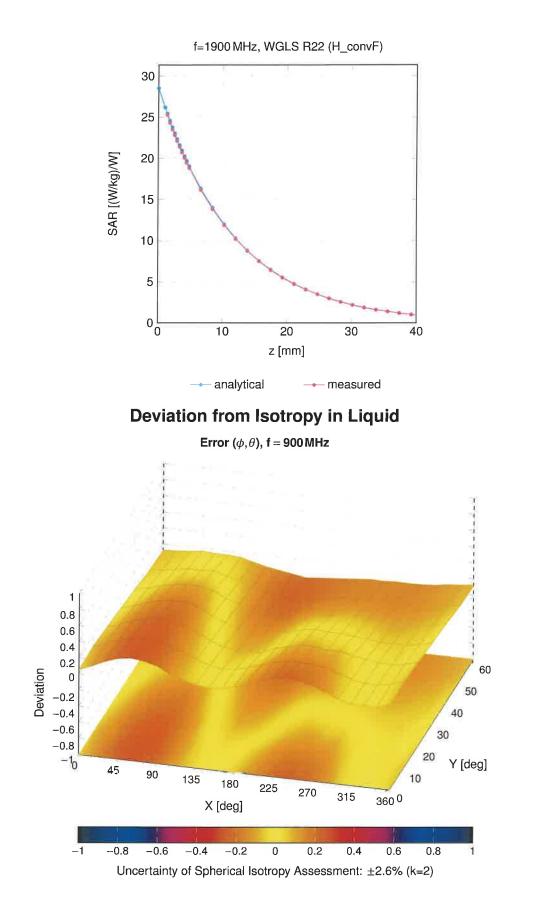




Dynamic Range f(SAR<sub>head</sub>)

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

## **Conversion Factor Assessment**



# Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
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
0024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
0025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
0026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
0027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
0028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
0029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
0030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
0031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
0032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
0033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
0034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
0035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
0036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
0037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
0038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
0039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±0.6
0042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
0044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
0048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
0049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
0056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
0058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
0059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN		
0060	CAB			2.12	±9.6
0061		IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
0062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
0063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
0064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
0065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
0066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
0067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
0068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
0069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
0071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
0072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
0073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
0074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
0075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
0076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
0077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
0081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
0082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
0 0 9 0	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
0097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
8600	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
0099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LIE-FUU	5.67	±9.6
101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
0104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
0105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
0108		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
0109		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
0110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
		LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	0.10	10.0

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
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, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-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
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
0194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
0195	ÇAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	+9,6
0196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
0197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
0198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
0220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
0221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
0222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
0223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
0224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	+9.6

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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
0252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
0253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
0254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
0255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
0265	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
0267	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
0269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD		
	-			10.13	±9.6
0270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD WCDMA	9.58	±9.6
0274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)		4.87	±9.6
0275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
0277	CAA	PHS (QPSK)	PHS	11.81	±9.6
0278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
0279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
0290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
0291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
0292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
0293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
0295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
1297	AAF	ITE-FDD (SC-FDMA, 50% BB, 20 MHz, QPSK)	ITE-FDD	5.81	±9.6
0298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
0299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
0300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0301	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
0302	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6
0303	AAA	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
0304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
0305	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
0306	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	-	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.6
10310	-	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
10311	_	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	-	IDEN 1:3	IDEN	10.51	±9.6
10314	-	IDEN 1:6	IDEN	13.48	±9.6
10315	-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	-	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	-	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	-	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	-	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	-	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	<u>+</u> 9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430 10431	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD		LTE-FDD	8.34	±9.6
10433		LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) W-CDMA (BS Test Model 1, 64 DPCH)	LTE-FDD	8.34	±9.6
10434	AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA	8.60	±9.6
10435	AAG	LTE-FDD (SC-PDMA, THB, 20 MHZ, QPSK, OL Subirame=2,3,4,7,8,9) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 13 MHz, E-1M 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.48	±9.6
10451	AAD	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10455	AAE	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6 ±9.6
1(145/ 1		CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
			0DIVIA2000		
10458		CDMA2000 (1xEV-DO Bey B 3 carriers)	CDMA2000	8 25	TUE
10458 10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10458 10459 10460	AAA AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10458 10459 10460 10461	AAA AAB AAC	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD	2.39 7.82	±9.6 ±9.6
10458 10459 10460 10461 10462	AAA AAB AAC AAQ	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD	2.39 7.82 8.30	±9.6 ±9.6 +9.6
10458 10459 10460 10461 10462 10463	AAA AAB AAC AAC AAC	UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD I-TE-TDD LTE-TDD	2.39 7.82 8.30 8.56	±9.6 ±9.6 +9.6 ±9.6
10458 10459 10460 10461 10462 10463 10464	AAA AAB AAC AAC AAC AAD	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82	±9.6 ±9.6 +9.6 ±9.6 ±9.6
10458 10459 10460 10461 10462 10463 10464 10465	AAA AAB AAC AAC AAC AAD AAD	UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD I.TE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.32	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10458 10459 10460 10461 10462 10463 10464 10465 10466	AAA AAB AAC AAQ AAC AAD AAD AAD	UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.32 8.32 8.57	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10458 10459 10460 10461 10462 10463 10464 10465 10466 10467	AAA AAB AAC AAC AAC AAD AAD AAD AAD	UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.32 8.32 8.57 7.82	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10457 10458 10459 10460 10461 10462 10463 10464 10465 10466 10467 10468	AAA AAB AAC AAC AAC AAD AAD AAD AAG AAG	UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.32 8.57 7.82 8.32 8.32 8.32	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10458 10459 10460 10461 10462 10463 10464 10465 10466 10467	AAA AAB AAC AAC AAC AAD AAD AAD AAD	UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.32 8.32 8.57 7.82	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0492	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
0493	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
0494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0495	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
0496	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
0497	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
0498	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
0499	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
0500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
0501	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
0502	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
0503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
0504	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
0505	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
0506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0507	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
0508	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
0509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
0510	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
0511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
0512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0513	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
0514	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
0515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
0517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
0520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
0521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
0522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN WLAN	8.08	±9.6
)524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)		8.27	±9.6
)525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WI AN	8.36	+9.6
531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
)532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
		IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN WLAN	8.45	±9.6
0534	AAC			8.45	±9.6
0533 0534 0535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)			
) 534 ) 535 ) 536	AAC AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
)534 )535	AAC				

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k =$
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582 10583	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAC AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
	-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0585 0586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN WLAN	8.70	±9.6
	AAC AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587		IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)		8.36	±9.6
0588	AAC AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN WLAN	8.76	±9.6
0590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
0590	AAC		WLAN	8.67	±9.6
0591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.63	±9.6
0592	AAC		WLAN	8.79	±9.6
0593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.64	±9.6
0594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
0596	AAC	IEEE 802.11n (H1 Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
0597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
0598	AAC		WLAN		±9.6
0600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.79 8.88	±9,6
0600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN		±9.6
0602	AAC			8.82	±9.6
0602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
		IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6 ±9.6
0604	AAC				
0604 0605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	
0604	AAC AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN WLAN WLAN	8.97 8.82 8.64	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 3$
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±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
0652	AAF AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
		LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
0654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
0655	AAF AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
0658		Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0659	AAB AAB	Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Test	6.99	±9.6
0661	AAB	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Test	3.98	±9.6
0662	AAB	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%)	Test	2.22	±9.6
0670	AAB	Pulse waveform (200Hz, 80%) Bluetooth Low Energy	Test	0.97	±9.6
0670	AAA	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	Bluetooth	2.19	±9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN WLAN	9.09	±9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)		8.57	±9.6
0673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.78	±9.6
0675	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0676	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6 ±9.6
	AAG	IEEE 802.11ax (20 MHz, MC36, 90pc duty cycle)	WLAN	8.73	±9.6
0677	AAC	IEEE 802.11ax (20 MHz, MC/56, 90pc duty cycle)	WLAN	8.73	
		IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN		±9.6
0678	AAC I			8.89	±9.6
0678 0679	AAC		WLAN	8.80	±9.6
0678 0679 0680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	10/1 AN1	0 00	100
0678 0679 0680 0681	AAC AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
0677 0678 0679 0680 0681 0682 0683	AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
0678 0679 0680 0681 0682 0683	AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN WLAN	8.83 8.42	±9.6 ±9.6
0678 0679 0680 0681 0682	AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k =$
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
0716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
0717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
0718	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
0722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
0723	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
0725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
0726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
0727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
0728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
0729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
0730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
0731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
0732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
0733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
0734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
0735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
0736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
0737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
0738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
0739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
0740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WIAN	8 94	±96
744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
745	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
0745 0746		IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
0745 0746 0747	AAC				
0745 0746 0747 0748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
0745 0746 0747 0748 0749	AAC AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
0745 0746 0747 0748 0749	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)			

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	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771_	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	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	7.82	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798 10799	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.89	±9.6
	AAD		5G NR FR1 TDD	7.93	±9.6
10801 10802	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
0802	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 ±9.6
0809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34	±9.6
0809	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34	±9.6
0810	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.35	±9.6
0812	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.35	±9.6
0817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QFSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.0
0819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
0820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10020	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
0.821		5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
		30 min (0F-0FDW, 100% HD, 30 WHZ, 0F3N, 30 KHZ)			
10821 10822	AAD	SC ND (CD OEDM 100% DD 40 MU- ODCK 20 LU-)		0.26	
10822 10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10822 10823 10824	AAD AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10822 10823	AAD				

10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)           5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         8.40           5G NR FR1 TDD         7.63           5G NR FR1 TDD         7.73           5G NR FR1 TDD         7.74           5G NR FR1 TDD         7.74           5G NR FR1 TDD         7.74           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.34           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10831AAD10832AAD10833AAD10834AAD10835AAD10836AAD10837AAD10837AAD10839AAD10840AAD10840AAD10841AAD10843AAD10844AAD10855AAD10856AAD10857AAD10858AAD10859AAD10850AAD10850AAD10851AAD10852AAD10853AAD10864AAD10865AAD10865AAD10866AAD10867AAE10868AAD10869AAE10870AAE10871AAE10873AAE10874AAE10875AAE10876AAE10877AAE10878AAE10874AAE10875AAE10876AAE10876AAE10881AAE10882AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10890AAE10890AAE10881AAE	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         7.73           5G NR FR1 TDD         7.74           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10832AAD10833AAD10834AAD10835AAD10836AAD10837AAD10838AAD10840AAD10840AAD10841AAD10843AAD10844AAD10845AAD10846AAD10847AAD10848AAD10849AAD10845AAD10856AAD10857AAD10858AAD10859AAD10860AAD10861AAD10862AAD10863AAD10864AAD10865AAD10866AAD10867AAE10870AAE10871AAE10872AAE10873AAE10874AAE10875AAE10876AAE10877AAE10878AAE10874AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10880AAE10881AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         7.74           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.38           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10833AAD10834AAD10835AAD10836AAD10837AAD10837AAD10839AAD10840AAD10841AAD10843AAD10844AAD10845AAD10846AAD10857AAD10858AAD10858AAD10859AAD10850AAD10850AAD10850AAD10850AAD10850AAD10860AAD10861AAD10862AAD10863AAD10864AAD10865AAD10866AAD10867AAE10870AAE10871AAE10872AAE10873AAE10874AAE10875AAE10876AAE10877AAE10878AAE10878AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.75           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.43           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10834AAD10835AAD10836AAD10837AAD10837AAD10839AAD10840AAD10841AAD10843AAD10844AAD10845AAD10846AAD10857AAD10858AAD10859AAD10850AAD10851AAD10852AAD10853AAD10854AAD10855AAD10856AAD10861AAD10862AAD10863AAD10864AAD10865AAD10865AAD10866AAD10870AAE10871AAE10873AAE10874AAE10875AAE10876AAE10877AAE10878AAE10878AAE10883AAE10884AAE10885AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10892AAE10893AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)           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         7.75           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10835AAD10836AAD10837AAD10839AAD10840AAD10841AAD10843AAD10844AAD10845AAD10846AAD10855AAD10856AAD10857AAD10858AAD10859AAD10850AAD10851AAD10852AAD10853AAD10854AAD10855AAD10856AAD10866AAD10867AAE10868AAD10869AAE10870AAE10871AAE10872AAE10873AAE10874AAE10875AAE10876AAE10877AAE10878AAE10878AAE10883AAE10884AAE10885AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)           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         7.70           5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.44           5G NR FR1 TDD         8.44           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.38           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10836AAD10837AAD10839AAD10840AAD10841AAD10843AAD10844AAD10845AAD10846AAD10857AAD10858AAD10859AAD10858AAD10859AAD10850AAD10850AAD10851AAD10852AAD10853AAD10864AAD10865AAD10865AAD10866AAD10867AAE10868AAD10869AAE10871AAE10873AAE10874AAE10875AAE10876AAE10877AAE10878AAE10873AAE10874AAE10875AAE10876AAE10881AAE10882AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10892AAE10897AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)           5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)           5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         7.66           5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10837         AAD           10839         AAD           10840         AAD           10841         AAD           10843         AAD           10844         AAD           10845         AAD           10846         AAD           10845         AAD           10854         AAD           10855         AAD           10856         AAD           10857         AAD           10858         AAD           10859         AAD           10850         AAD           10851         AAD           10852         AAD           10853         AAD           10864         AAD           10865         AAD           10866         AAD           10867         AAE           10868         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878 </td <td>5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F</td> <td><math display="block">\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\</math></td>	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         7.68           5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10839AAD10840AAD10841AAD10843AAD10844AAD10845AAD10855AAD10856AAD10857AAD10858AAD10858AAD10859AAD10858AAD10859AAD10850AAD10850AAD10851AAD10852AAD10863AAD10864AAD10865AAD10865AAD10866AAD10867AAE10870AAE10871AAE10872AAE10873AAE10874AAE10875AAE10876AAE10877AAE10878AAE10878AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (DF-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         7.70           5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR F	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10840         AAD           10841         AAD           10843         AAD           10844         AAD           10845         AAD           10855         AAD           10855         AAD           10855         AAD           10856         AAD           10857         AAD           10858         AAD           10859         AAD           10859         AAD           10850         AAD           10860         AAD           10861         AAD           10862         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10867         AAE           10868         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10880 </td <td>5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (DF-oFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68</td> <td><math display="block">\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\</math></td>	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (DF-oFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         7.67           5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10841AAD10843AAD10844AAD10845AAD10854AAD10855AAD10856AAD10857AAD10858AAD10858AAD10859AAD10850AAD10850AAD10860AAD10863AAD10864AAD10865AAD10866AAD10867AAE10868AAD10869AAE10870AAE10871AAE10872AAE10873AAE10874AAE10875AAE10876AAE10878AAE10878AAE10880AAE10881AAE10882AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         7.71           5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10843AAD10844AAD10845AAD10855AAD10856AAD10857AAD10858AAD10859AAD10859AAD10859AAD10860AAD10861AAD10862AAD10863AAD10864AAD10865AAD10866AAD10867AAE10868AAD10869AAE10870AAE10871AAE10872AAE10873AAE10874AAE10875AAE10876AAE10878AAE10878AAE10880AAE10881AAE10882AAE10883AAE10884AAE10885AAE10886AAE10887AAE10888AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10889AAE10897AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         8.49           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10844         AAD           10846         AAD           10854         AAD           10855         AAD           10856         AAD           10857         AAD           10858         AAD           10859         AAD           10859         AAD           10859         AAD           10859         AAD           10860         AAD           10861         AAD           10862         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10867         AAE           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10880         AAE           10880         AAE           10883 </td <td>5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)</td> <td>5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68</td> <td><math display="block">\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\</math></td>	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10846         AAD           10854         AAD           10855         AAD           10856         AAD           10857         AAD           10858         AAD           10859         AAD           10859         AAD           10859         AAD           10859         AAD           10860         AAD           10861         AAD           10862         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10867         AAE           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10885 </td <td>5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68</td> <td><math display="block">\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\</math></td>	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \\$
10854         AAD           10855         AAD           10856         AAD           10857         AAD           10857         AAD           10858         AAD           10859         AAD           10859         AAD           10860         AAD           10861         AAD           10862         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10867         AAE           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885 </td <td>5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68</td> <td><math display="block">\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}</math></td>	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10855         AAD           10856         AAD           10857         AAD           10857         AAD           10857         AAD           10859         AAD           10859         AAD           10860         AAD           10861         AAD           10862         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10888 </td <td>5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68</td> <td><math display="block">\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}</math></td>	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10856         AAD           10857         AAD           10857         AAD           10858         AAD           10859         AAD           10860         AAD           10861         AAD           10862         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10888         AAE           10889 </td <td>5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68</td> <td><math display="block">\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}</math></td>	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10857         AAD           10858         AAD           10859         AAD           10860         AAD           10861         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10865         AAD           10866         AAD           10867         AAE           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10888         AAE           10889         AAE           10889 </td <td>5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89</td> <td><math display="block"> \begin{array}{c} \pm 9.6 \\ \end{array} </math></td>	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.35           5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	$ \begin{array}{c} \pm 9.6 \\ \end{array} $
10858         AAD           10859         AAD           10860         AAD           10861         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10865         AAD           10866         AAD           10867         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10888         AAE           10889         AAE           10889 </td <td>5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89</td> <td><math display="block"> \begin{array}{c} \pm 9.6 \\ \end{array} </math></td>	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.36           5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	$ \begin{array}{c} \pm 9.6 \\ \end{array} $
10859         AAD           10860         AAD           10861         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10868         AAD           10869         AAE           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10890 </td <td>5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89</td> <td><math display="block"> \begin{array}{c} \pm 9.6 \\ \end{array} </math></td>	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.34           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	$ \begin{array}{c} \pm 9.6 \\ \end{array} $
10860         AAD           10861         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10866         AAD           10866         AAD           10866         AAD           10867         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10890         AAE           10891 </td <td>5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89</td> <td>±9.6           ±9.6           ±9.6           ±9.6           ±9.6           ±9.6</td>	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	±9.6           ±9.6           ±9.6           ±9.6           ±9.6           ±9.6
10861         AAD           10863         AAD           10864         AAD           10865         AAD           10866         AAD           10866         AAD           10866         AAD           10866         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892 </td <td>5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89</td> <td>+9.6 +9.6 +9.6 +9.6</td>	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.40           5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	+9.6 +9.6 +9.6 +9.6
10863         AAD           10864         AAD           10865         AAD           10866         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892 </td <td>5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89</td> <td>±9.6 ±9.6 ±9.6</td>	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.41           5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	±9.6 ±9.6 ±9.6
10864         AAD           10865         AAD           10866         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10888         AAE           10888         AAE           10889         AAE           10889         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10897         AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.37           5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	±9.6 ±9.6
10865         AAD           10866         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10889         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10897         AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         8.41           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	±9.6
10866         AAD           10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10893         AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.89	
10868         AAD           10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10893         AAE		5G NR FR1 TDD 5.89	
10869         AAE           10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK. 30 kHz)		
10870         AAE           10871         AAE           10872         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE			
10871         AAE           10872         AAE           10873         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5.75	
10872         AAE           10873         AAE           10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10878         AAE           10878         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5.86	
10873         AAE           10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10893         AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 5.75	
10874         AAE           10875         AAE           10876         AAE           10877         AAE           10878         AAE           10879         AAE           10878         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10893         AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 6.52	
10875         AAE           10876         AAE           10877         AAE           10877         AAE           10878         AAE           10879         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 6.61	±9.6
10876         AAE           10877         AAE           10878         AAE           10879         AAE           10880         AAE           10880         AAE           10880         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 6.65	±9.6
10877         AAE           10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10893         AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 7.78	±9.6
10878         AAE           10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 8.39	±9.6
10879         AAE           10880         AAE           10881         AAE           10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 7.95	±9.6
10880       AAE         10881       AAE         10882       AAE         10883       AAE         10884       AAE         10885       AAE         10886       AAE         10887       AAE         10888       AAE         10889       AAE         10890       AAE         10891       AAE         10892       AAE         10897       AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 8.41	±9.6
10881       AAE         10882       AAE         10883       AAE         10884       AAE         10885       AAE         10886       AAE         10887       AAE         10888       AAE         10889       AAE         10890       AAE         10891       AAE         10892       AAE         10897       AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 8.12	±9.6
10882         AAE           10883         AAE           10884         AAE           10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 8.38	±9.6
10883       AAE         10884       AAE         10885       AAE         10886       AAE         10887       AAE         10888       AAE         10889       AAE         10889       AAE         10890       AAE         10891       AAE         10892       AAE         10897       AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 5.75	±9.6
10884       AAE         10885       AAE         10886       AAE         10887       AAE         10888       AAE         10889       AAE         10890       AAE         10891       AAE         10892       AAE         10897       AAE		5G NR FR2 TDD 5.96	±9.6
10885         AAE           10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10893         AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 6.57	±9.6
10886         AAE           10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 6.53	±9.6
10887         AAE           10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAC		5G NR FR2 TDD 6.61	±9.6
10888         AAE           10889         AAE           10890         AAE           10891         AAE           10892         AAE           10892         AAE           10897         AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 6.65	±9.6
10889         AAE           10890         AAE           10891         AAE           10892         AAE           10897         AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD 7.78 5G NR FR2 TDD 8.35	±9.6
10890         AAE           10891         AAE           10892         AAE           10897         AAC			±9.6
0891 AAE 0892 AAE 0897 AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD 8.02	±9.6
0892 AAE 0897 AAC		5G NR FR2 TDD 8.40 5G NR FR2 TDD 8.13	±9.6
0897 AAC			±9.6
	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 8.41	±9.6
0000 AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR1 TDD 5.66	±9.6
0899 AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5.67	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5.67	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5.68	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5 68	+96
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5.68	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5.68	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)		±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         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 (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5.68	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         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 (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5.68	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         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 (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	±9.6
	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)           5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)           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 (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)           5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.78	±9.6
0909 AAB 0910 AAB	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)         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 (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)         5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD         5.68           5G NR FR1 TDD         5.68	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	-	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 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
		5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10964	AAC				
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 10966	AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.37 9.55	±9.6
10965 10966 10967	AAB AAB AAR	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NB DL (CP-ΩFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD	9.37 9.55 9.42	±9.6 +9.6
10965 10966 10967 10968	AAB AAB AAR AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)           5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)           5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37 9.55 9.42 9.49	±9.6 +9.6 ±9.6
10965 10966 10967 10968 10972	AAB AAB AAR AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	9.37 9.55 9.42 9.49 11.59	±9.6 +9.6 ±9.6 ±9.6
10965 10966 10967 10968 10972 10973	AAB AAB AAR AAB AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.37 9.55 9.42 9.49 11.59 9.06	±9.6 +9.6 ±9.6 ±9.6 ±9.6
10965 10966 10967 10968 10972 10973 10974	AAB AAB AAR AAB AAB AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	9.37 9.55 9.42 9.49 11.59 9.06 10.28	±9.6 +9.6 ±9.6 ±9.6 ±9.6
10965 10966 10967 10968 10972 10973 10974 10978	AAB AAB AAR AAB AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) ULLA BDR	5G NR FR1 TDD           5G NR FR1 TDD	9.37 9.55 9.42 9.49 11.59 9.06 10.28 1.16	±9.6 +9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10965 10966 10967 10968 10972 10973 10974	AAB AAB AAR AAB AAB AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD           ULLA           ULLA	9.37 9.55 9.42 9.49 11.59 9.06 10.28	±9.6 +9.6 ±9.6 ±9.6 ±9.6
10965 10966 10968 10972 10973 10974 10978 10979 10980	AAB AAR AAB AAB AAB AAB AAB AAA AAA AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)         ULLA BDR         ULLA HDR4         ULLA HDR8	5G NR FR1 TDD           ULLA           ULLA           ULLA	9.37 9.55 9.42 9.49 11.59 9.06 10.28 1.16 8.58 10.32	$\begin{array}{c} \pm 9.6 \\ +9.6 \\ \pm 9.6 \end{array}$
10965 10966 10968 10968 10972 10973 10974 10978 10979	AAB AAB AAB AAB AAB AAB AAB AAA AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)         5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)         5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)         5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)         ULLA BDR         ULLA HDR4	5G NR FR1 TDD           ULLA           ULLA	9.37 9.55 9.42 9.49 11.59 9.06 10.28 1.16 8.58	$     \frac{\pm 9.6}{\pm 9.6}     \frac{\pm 9.6}{\pm 9.6}     \frac{\pm 9.6}{\pm 9.6}     \frac{\pm 9.6}{\pm 9.6}     \frac{\pm 9.6}{\pm 9.6} $

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

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

Calibration Laboratory of Schmid & Partner

Client

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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Certificate No.

EX-3772\_Feb24

# CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:3772
Calibration procedure(s)	QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8 Calibration procedure for dosimetric E-field probes
Calibration date	February 07, 2024
	nents the traceability to national standards, which realize the physical units of measurements (SI). ertainties with confidence probability are given on the following pages and are part of the certificate.

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349_Nov23)	Nov-24

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

	Name	Function	Signature
Calibrated by	Jeton Kastrati	Laboratory Technician	- 122
Approved by	Sven Kühn	Technical Manager	Sn
This calibration certificate shall n	ot be reproduced except in full with	out written approval of the lab	Issued: February 08, 2024 oratory.

Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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### Glossary

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization $\varphi$	$\varphi$ 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	information used in DASY system to align probe sensor X to the robot coordinate system

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

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

### Methods Applied and Interpretation of Parameters:

- *NORMx,y,z*: Assessed for E-field polarization  $\vartheta = 0$  ( $f \le 900$  MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z* = *NORMx,y,z* \* *frequency\_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- *DCPx,y,z*: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \le 800 \text{ MHz}$ ) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y,z \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50 \text{ MHz}$ .
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required)

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc $(k = 2)$
Norm $(\mu V/(V/m)^2)^A$	0.47	0.58	0.55	±10.1%
DCP (mV) <sup>B</sup>	100.9	100.1	101.9	±4.7%

### **Calibration Results for Modulation Response**

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> k = 2
0	CW	X	0.00	0.00	1.00	0.00	119.0	±1.0%	±4.7%
		Y	0.00	0.00	1.00		123.4		
_		Z	0.00	0.00	1.00		123.0	1	1
10352	Pulse Waveform (200Hz, 10%)	X	20.00	92.05	21.13	10.00	60.0	±2.9%	±9.6%
		Y	20.00	95.67	23.96		60.0		
		Z	20.00	92.99	22.17		60.0		2
10353	Pulse Waveform (200Hz, 20%)	X	20.00	96.22	22.24	6.99	80.0	±1.5%	±9.6%
		Y	20.00	95.97	22.97		80.0		
		Z	20.00	93.53	21.58		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	105.12	25.23	3.98	95.0	±1.3%	±9.6%
		Y	20.00	98.54	22.80	1.0	95.0		
		Z	20.00	97.06	22.14	1.1.1.1.2	95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	116.99	29.34	2.22	120.0	±1.3%	±9.6%
		Y	20.00	102.49	23.30		120.0		2
		Z	20.00	102.78	23.65		120.0		
10387	QPSK Waveform, 1 MHz	X	1.76	67.53	15.64	1.00	150.0	±1.9%	±9.6%
		Y	1.71	65.23	14.61		150.0		
		Z	1.72	66.07	15.06		150.0		
10388	QPSK Waveform, 10 MHz	X	2.33	68.94	16.29	0.00	150.0	±1.0%	±9.6%
		Y	2.24	67.39	15.26		150.0		
-		Z	2.27	68.05	15.74		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.30	66.83	17.21	3.01	150.0	±1.0%	±9.6%
		Y	3.05	69.96	18.44	-	150.0		
		Z	3.10	71.43	19.21		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.47	67.06	15.80	0.00	150.0	±1.0%	±9.6%
		Y	3.57	67.03	15.63		150.0		
		Z	3.57	67.29	15.83		150.0		
0414	WLAN CCDF, 64-QAM, 40 MHz	X	4.78	65.58	15.52	0.00	150.0	±2.2%	±9.6%
		Y	4.81	65.02	15.14		150.0		
		Z	4.76	65.17	15.25		150.0		

Note: For details on UID parameters see Appendix

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

A The uncertainties of Norm X, Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6).

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

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

### Sensor Model Parameters

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms V <sup>-2</sup>	T2 ms V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	40.3	296.24	34.67	14.55	0.00	5.08	0.23	0.28	1.00
y	53.3	397.59	35.33	19.40	0.46	5.10	0.63	0.42	1.01
Z	47.4	348.28	34.51	24.27	0.09	5.10	1.46	0.20	1.01

### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	78.8°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc ( <i>k</i> = 2)
2450	39.2	1.80	7.18	6.51	6.71	0.32	1.27	±11.0%
5250	35.9	4.71	5.19	4.63	4.82	0.34	1.62	±13.1%
5600	35.5	5.07	4.56	4.19	4.29	0.37	1.75	±13.1%
5750	35.4	5.22	4.63	4.26	4.40	0.39	1.84	±13.1%
5850	35.2	5.32	4.56	4.08	4.30	0.42	1.86	±13.1%

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

<sup>C</sup> Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$ 110 MHz. <sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\varepsilon$  and  $\sigma$  by less than  $\pm$ 5% from the target values (typically better than  $\pm$ 3%)

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

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

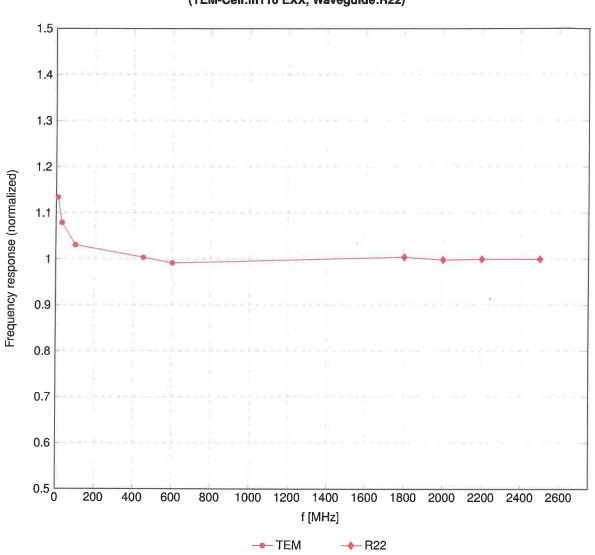
### **Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc ( <i>k</i> = 2)
6500	34.5	6.07	5.05	4.69	4.82	0.20	2.50	±18.6%

<sup>C</sup> Frequency validity at 6.5 GHz is -600/+700 MHz, and  $\pm 700$  MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. <sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than  $\pm 10\%$  from the target values (typically better than  $\pm 6\%$ )

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

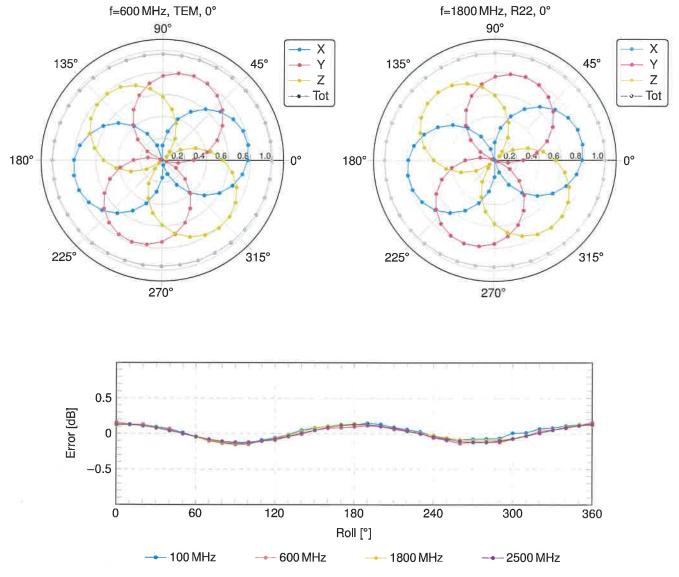
<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance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



# Frequency Response of E-Field

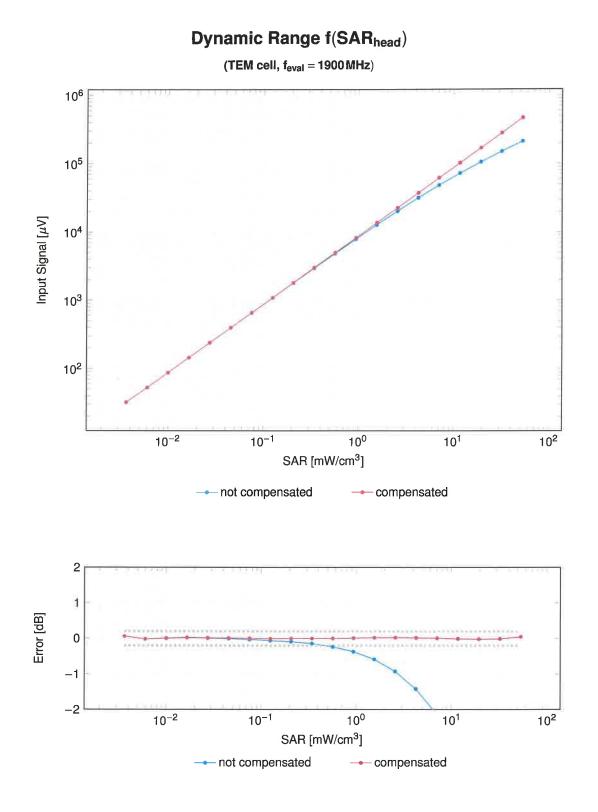
(TEM-Cell:ifi110 EXX, Waveguide:R22)

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



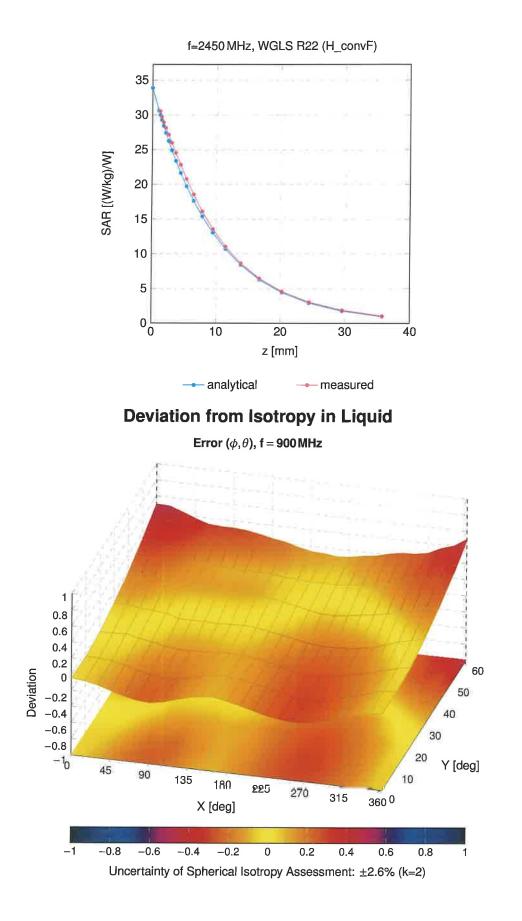
# **Receiving Pattern (** $\phi$ **),** $\vartheta = 0^{\circ}$

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



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

## **Conversion Factor Assessment**



# Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 3$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
0056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
0058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
0059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.0
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
0067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
0068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	±9.6
0069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.24	
0003	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
0072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 3 Mbps)	WLAN	9.63	±9.6
					±9.6
0073	CAB CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN WLAN	9.94	±9.6
0074	CAB			10.30	±9.6
0075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
0077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
0081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
0082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
0090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
0097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
8600	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
0099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
0101	САГ	LTE-FDD (3C-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
0104		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
0105		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
0108		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
0109		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
0110		LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
)111	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 =
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
0154	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
0156	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
0159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
0160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
0161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
0162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
0166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
0167	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
0169	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
0175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
0176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
0178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
0182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
0194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
0195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
0196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8,10	±9,6
)197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
)198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
0219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
0220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
0221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
0222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
0223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
)224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10225	-	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 10261	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 CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10266		LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	9.92	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	10.07	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	9.30	±9.6
0269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10209		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	10.13	±9.6
0270	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	LTE-TDD	9.58	±9.6
0274	CAC	UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
0275	CAC	PHS (QPSK)	WCDMA	3.96	±9.6
0278		PHS (QPSK) PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
		PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	11.81	±9.6
		CDMA2000, RC1, SO55, Full Rate	PHS	12.18	±9.6
		CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.91	±9.6
		CDMA2000, RC3, SO35, Full Rate	CDMA2000	3.46	±9.6
_		CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
		CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	3.50	±9.6
		LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	CDMA2000	12.49	±9.6
		LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.81	±9.6
		LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	5 72	+96
		LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.39	±9.6
		IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	LTE-FDD	6.60	±9.6
		IEEE 802.16e WIMAX (29:16, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.03	±9.6
	AAA	IEEE 802.16e WIMAA (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 GTHL symbols) IEEE 802.16e WIMAA (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.57	±9.6
		IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
0304	000	LELE ODE. TO S WINKA (23.10, 3 HIS, TO WITZ, 640AW, PUSU)	WIMAX	11.86	±9.6
		IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6
10314	AAA	IDEN 1:6	IDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	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
10.451					±9.6
	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	-
10451 10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10453 10456	AAE AAD	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	Test WLAN	10.00 8.63	±9.6 ±9.6
10453 10456 10457	AAE AAD AAB	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA)	Test WLAN WCDMA	10.00 8.63 6.62	±9.6 ±9.6 ±9.6
10453 10456 10457 10458	AAE AAD AAB AAA	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	Test WLAN WCDMA CDMA2000	10.00 8.63 6.62 6.55	±9.6 ±9.6 ±9.6 ±9.6
10453 10456 10457 10458 10459	AAE AAD AAB AAA AAA	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	Test WLAN WCDMA CDMA2000 CDMA2000	10.00 8.63 6.62 6.55 8.25	$\pm 9.6$ $\pm 9.6$ $\pm 9.6$ $\pm 9.6$ $\pm 9.6$ $\pm 9.6$
10453 10456 10457 10458 10459 10460	AAE AAD AAB AAA AAA AAB	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers) UMTS-FDD (WCDMA, AMR)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA	10.00 8.63 6.62 6.55 8.25 2.39	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10453 10456 10457 10458 10459 10460 10461	AAE AAD AAB AAA AAA AAB AAC	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA) CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers) UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD	10.00 8.63 6.62 6.55 8.25 2.39 7.82	$     \pm 9.6      \pm 9.6 \\   $
10453 10456 10457 10458 10459 10460 10461 10462	AAE AAD AAB AAA AAA AAB AAC AAC	Validation (Square, 10 ms, 1 ms)           IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)           UMTS-FDD (DC-HSDPA)           CDMA2000 (1xEV-DO, Rev. B, 2 carriers)           CDMA2000 (1xEV-DO, Rev. B, 3 carriers)           UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30	$ \begin{array}{r} \pm 9.6 \\ \pm 9.6 \end{array} $
10453         10456         10457         10458         10459         10460         10461         10462         10463	AAE AAD AAB AAA AAA AAB AAC AAC AAC	Validation (Square, 10 ms, 1 ms)           IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)           UMTS-FDD (DC-HSDPA)           CDMA2000 (1xEV-DO, Rev. B, 2 carriers)           CDMA2000 (1xEV-DO, Rev. B, 3 carriers)           UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30           8.56	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10453       10456       10457       10458       10459       10460       10461       10462       10463       10464	AAE AAD AAA AAA AAA AAB AAC AAC AAC AAD	Validation (Square, 10 ms, 1 ms)           IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)           UMTS-FDD (DC-HSDPA)           CDMA2000 (1xEV-DO, Rev. B, 2 carriers)           CDMA2000 (1xEV-DO, Rev. B, 3 carriers)           UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30           8.56           7.82	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10453       10456       10457       10458       10459       10460       10461       10462       10463       10464       10465	AAE AAD AAB AAA AAA AAA AAC AAC AAC AAC AAD AAD	Validation (Square, 10 ms, 1 ms)           IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)           UMTS-FDD (DC-HSDPA)           CDMA2000 (1xEV-DO, Rev. B, 2 carriers)           CDMA2000 (1xEV-DO, Rev. B, 3 carriers)           UMTS-FDD (WCDMA, AMR)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)           LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30           8.56           7.82           8.30	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10453           10456           10457           10457           10458           10459           10454           10452           10463           10463           10464           10465           10466	AAE AAD AAB AAA AAA AAA AAC AAC AAC AAD AAD AAD	Validation (Square, 10 ms, 1 ms)         IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)         UMTS-FDD (DC-HSDPA)         CDMA2000 (1xEV-DO, Rev. B, 2 carriers)         CDMA2000 (1xEV-DO, Rev. B, 3 carriers)         UMTS-FDD (WCDMA, AMR)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30           8.56           7.82           8.32           8.32           8.57	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10453           10456           10457           10457           10458           10459           10454           10452           10461           10462           10463           10464           10465           10466           10467	AAE AAD AAA AAA AAA AAC AAC AAC AAC AAD AAD	Validation (Square, 10 ms, 1 ms)         IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)         UMTS-FDD (DC-HSDPA)         CDMA2000 (1xEV-DO, Rev. B, 2 carriers)         CDMA2000 (1xEV-DO, Rev. B, 3 carriers)         UMTS-FDD (WCDMA, AMR)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30           8.56           7.82           8.32           8.32           8.57           7.82	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10453         10456         10457         10458         10459         10460         10461         10462         10463         10464         10465         10466         10467         10468	AAE AAD AAA AAA AAA AAC AAC AAC AAC AAC AAD AAD	Validation (Square, 10 ms, 1 ms)         IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)         UMTS-FDD (DC-HSDPA)         CDMA2000 (1xEV-DO, Rev. B, 2 carriers)         CDMA2000 (1xEV-DO, Rev. B, 3 carriers)         UMTS-FDD (WCDMA, AMR)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30           8.56           7.82           8.32           8.57           7.82           8.32           8.57           7.82           8.32	$\begin{array}{r} \pm 9.6 \\ \pm 9.6 \end{array}$
10453 10456 10457 10458 10459 10460 10461 10462 10463 10464 10465 10466 10467 10468 10469	AAE AAD AAA AAA AAA AAC AAC AAC AAC AAD AAD	Validation (Square, 10 ms, 1 ms)         IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)         UMTS-FDD (DC-HSDPA)         CDMA2000 (1xEV-DO, Rev. B, 2 carriers)         CDMA2000 (1xEV-DO, Rev. B, 3 carriers)         UMTS-FDD (WCDMA, AMR)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)         LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0PSK, UL Subframe=2,3,4,7,8,9)	Test WLAN WCDMA CDMA2000 CDMA2000 WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	10.00           8.63           6.62           6.55           8.25           2.39           7.82           8.30           8.56           7.82           8.32           8.32           8.57           7.82	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8,43	+9,6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

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10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
0561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
0562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
0563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
0564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
0565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
0567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
0568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
0569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
0570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
0571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
0572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
0573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
0574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
0575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
0576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
0578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
0579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
0580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
0581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
0582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
0584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
0587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
0588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
0589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
0590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
0592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	+9.6
	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
606		IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
607		IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

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10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD		WLAN	8.81	
	-	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)			±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)			
			WLAN	8.74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
0639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
0641	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
0645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
0646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)			
0647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
			LTE-TDD	11.96	±9.6
0648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
0652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
0653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
0654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
0655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
0658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
0660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
0661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
0662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
0670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
0671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.57	±9.6
0673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	
0674	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	-	±9.6
				8.74	±9.6
0675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
0676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
0678		IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
0679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
0680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
0681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
0682		IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
-	AAC				<u></u>
683	the second s			-	+0.6
-	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.26 8.33	±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
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, MCS0, 90pc duty cycle)	WLAN	8.91	-
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
	-				±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)			-
10713			WLAN	8.33	±9.6
	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
0715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
0716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
0717	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
0725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
0726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
0727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	
0728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)			±9.6
			WLAN	8.65	±9.6
0729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
0730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
0731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
0732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
0733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
0734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
0735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
0736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
0737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
0738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
0739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
0740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
0741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
0742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
0743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN		
)743	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)		8.94	±9.6
0745	AAC		WLAN	9.16	±9.6
		IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
0746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
0747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
0748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
0749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
0750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0752	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	-	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755 10756	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN WLAN	8.77 8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6 ±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771 10772	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.03 8.02	±9.6 ±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788 10789	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.37 8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6 ±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802 10803	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805 10806	AAE AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.34 8.34	±9.6 ±9.6
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
0821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
0824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
0825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0827	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
0828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

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10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
0856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
0858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
0859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
0860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
0863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
0865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
0869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
0871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
0873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
0874	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
0877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
0878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
0879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
0880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
0881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
0883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
0884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
0885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
0886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	6.65	±9.6
0887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
0888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
0889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
0890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
0890	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
0892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
0897	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR2 TDD		
0898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
0899	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 KHz)			±9.6
900	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.67	±9.6
900			5G NR FR1 TDD	5.68	±9.6
902	AAB AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
		5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
0908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
0909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
0910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k =
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932 10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6 ±9.6
10933	AAC		5G NR FR1 FDD	5.51	
		5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935 10936	AAD AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77 5.90	±9.6 ±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.90	±9.6
0939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
0940	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz)		5.83	
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QF3K, 15 KHz)	5G NR FR1 FDD	5.85	±9.6
10942	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.95	±9.6 ±9.6
10944	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
0951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
0952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
0953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
0954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
0955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
0956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
0957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
0958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)	5G NR FR1 FDD	8.61	±9.6
0959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
0960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
0961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
0962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
0963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
0965	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
0966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
0968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
0973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
0978	AAA	ULLA BDR	ULLA	1.16	±9.6
0979	AAA	ULLA HDR4	ULLA	8.58	±9.6
0980	AAA	ULLA HDR8	ULLA	10.32	±9.6
		ULLA HDRp4	ULLA	3.19	±9.6
981	AAA				

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

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

**Calibration Laboratory of** Schmid & Partner **Engineering AG** 

Client

Zeughausstrasse 43, 8004 Zurich, Switzerland

ac-MR Telat

Schweizerischer Kalibrierdienst

- Service suisse d'étalonnage С Servizio svizzero di taratura

S Swiss Calibration Service

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Accreditation No.: SCS 0108

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

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UL	
Fremont, USA	

Certificate No.

EX-7587\_Apr23

## **CALIBRATION CERTIFICATE**

Object	EX3DV4 - SN:7587
Calibration procedure(s)	QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8 Calibration procedure for dosimetric E-field probes
Calibration date	April 18, 2023
This calibration certificate doc The measurements and the u	uments the traceability to national standards, which realize the physical units of measurements (SI). ncertainties 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.)	Schodulad Calibusti
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Scheduled Calibration
Power sensor NRP-Z91	SN: 103244	20 Mar 23 (No. 217-03804/03805)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-12		20-Oct-22 (OCP-DAK3.5-1249_Oct22)	Oct-23
	SN: 1016	20-Oct-22 (OCP-DAK12-1016_Oct22)	Oct-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660 Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013_Jan23)	Jan-24

Secondary Standards	ID	Check Date (in house)	
Power meter E4419B	SN: GB41293874		Scheduled Check
Power sensor E4412A		06-Apr-16 (in house check Jun-22)	In house check: Jun-24
	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	
Network Analyzer E8358A	SN: US41080477	of hug ss (in house check Jun-22)	In house check: Jun-24
Hothorn Hindlyzer E0000A	314. 0341080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	Attplach
Approved by	Sven Kühn	Technical Manager	. A. festil
This calibration certificat	e shall not be reproduced except in	full without written approval of the lab	lssued: April 25, 2023 oratory.

Calibration Laboratory of Schmid & Partner Engineering AG

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Iac-MRA



S Schweizerischer Kalibrierdienst

- C Service suisse d'étalonnage
- Servizio svizzero di taraturaSwiss Calibration Service

Accreditation No.: SCS 0108

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

#### Glossary

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

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

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

### Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization ∂ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx, y, z are only intermediate values, i.e., the uncertainties of NORMx, y, z does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx, y, z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \le 800 \text{ MHz}$ ) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc $(k=2)$
Norm $(\mu V/(V/m)^2)^A$	0.56	0.61	0.55	±10.1%
DCP (mV) <sup>B</sup>	100.5	100.7	104.8	±4.7%

#### **Calibration Results for Modulation Response**

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> k = 2
0	CW	X	0.00	0.00	1.00	0.00	135.9	±2.1%	±4.7%
		Y	0.00	0.00	1.00	i i	121.9		
10050		Z	0.00	0.00	1.00		136.8	1	
10352	Pulse Waveform (200Hz, 10%)	X	20.00	90.16	20.46	10.00	60.0	±3.4%	±9.6%
		Y	20.00	89.20	20.10		60.0		
10000		Z	20.00	86.80	17.73		60.0	-	
10353	Pulse Waveform (200Hz, 20%)	X	20.00	90.58	19.47	6.99	80.0	±2.2%	±9.6%
		Y	20.00	89.18	19.28		80.0		
		Z	20.00	87.63	16.83		80.0	i	
10354	Pulse Waveform (200Hz, 40%)	X	20.00	91.64	18.50	3.98	95.0	±1.6%	±9.6%
		Y	20.00	91.07	19.08		95.0		
		Z	20.00	87.75	15.42		95.0	·	
10355	Pulse Waveform (200Hz, 60%)	X	20.00	90.61	16.60	2.22	120.0	±1.3%	±9.6%
		Y	20.00	93.99	19.29		120.0		
		Z	20.00	82.86	12.01		120.0		
10387	QPSK Waveform, 1 MHz	X	1.72	65.97	15.10	1.00	150.0	and the second s	±9.6%
		Y	1.82	65.39	15.10		150.0		_0.070
_		Z	1.49	64.87	13.86		150.0		
10388	QPSK Waveform, 10 MHz	X	2.34	68.73	15.88	0.00	150.0	±0.8%	±9.6%
		Y	2.40	68.40	15.74		150.0	-0.075	
		Z	1.99	66.65	14.68		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.91	70.39	18.83	3.01	150.0	±0.8%	±9.6%
		Y	3.48	72.33	19.58	0.01	150.0	-	
		Z	2.54	69.32	18.24		150.0		
0399	64-QAM Waveform, 40 MHz	X	3.56	67.40	15.86	0.00	150.0	±2.2%	±9.6%
1.1		Y	3.61	67.25	15.78	-	150.0		_0.0 /0
		Z	3.34	66.60	15.25	F	150.0		
0414	WLAN CCDF, 64-QAM, 40 MHz	X	4.98	65.77	15.59	0.00	150.0	±4.4%	±9.6%
		Y	5.06	65.61	15.47		150.0		
		Z	4.73	65.43	15.22	t	150.0		

Note: For details on UID parameters see Appendix

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

A The uncertainties of Norm X,Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6). <sup>B</sup> Linearization parameter uncertainty for maximum specified field strength. <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.

#### **Sensor Model Parameters**

443.50				ms		V-1	
445.50	36.06	16.08	0.38	5.10	0.30	0.42	1.01
527.29	35.44	30.19	0.05				1.01
324.15	34.07						1.01
			00.10	0.03	000110 0000 0.000 0.000 0.000	204.45 04.07 0.03 3.10 1.16	324.15 24.07 344 0.00 5.10 1.16 0.37

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	17.1°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
2450	39.2	1.80	7.64	7.53	7.48	0.31	1.27	±12.0%
5250	35.9	4.71	5.37	5.38	5.30	0.39	1.53	±14.0%
5600	35.5	5.07	4.68	4.64	4.62	0.40	1.67	±14.0%
5750	35.4	5.22	4.79	4.82	4.77	0.34	1.81	±14.0%
5850	35.2	5.32	4.64	4.59	4.57	0.39	1.78	±14.0%

## Calibration Parameter Determined in Head Tissue Simulating Media

C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to  $\pm$ 110 MHz. F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than  $\pm$ 5% from the target values (typically better than  $\pm$ 3%)

and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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

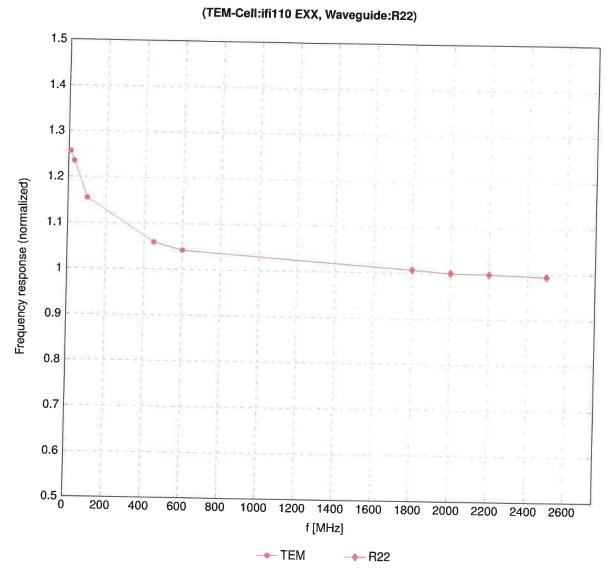
## Calibration Parameter Determined in Head Tissue Simulating Media

					(mm)	(k = 2)
6.07	4.60	1 70	ACE	0.00		±18.6%
	6.07	6.07 4.60	6.07 4.60 4.72	6.07 4.60 4.72 4.65	6.07 4.60 4.72 4.65 0.20	6.07         4.60         4.72         4.65         0.20         2.50

<sup>C</sup> Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration

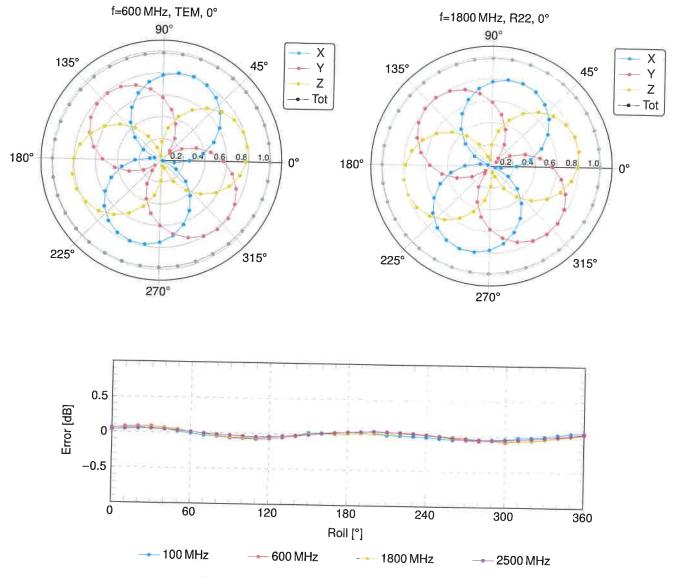
frequency and the uncertainty for the indicated frequency band. F The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to  $\pm 10\%$ 

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



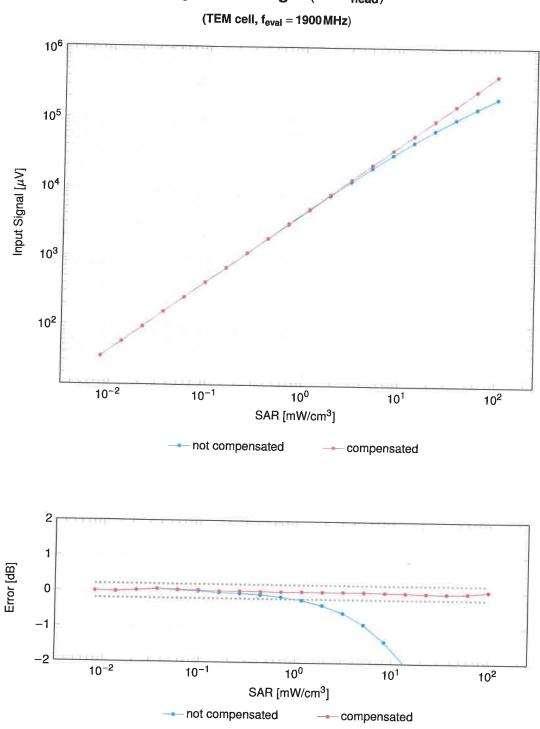
## Frequency Response of E-Field

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



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

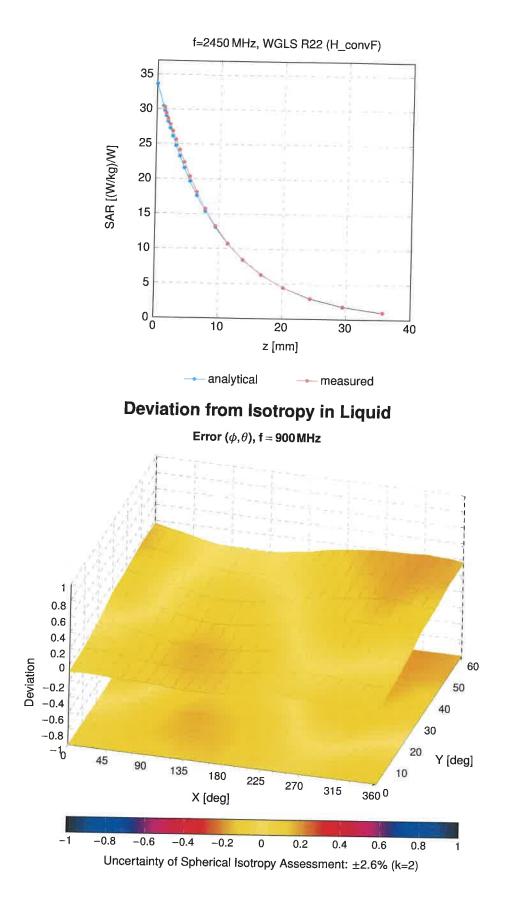
Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  (k=2)



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

Uncertainty of Linearity Assessment:  $\pm 0.6\%$  (k=2)

### **Conversion Factor Assessment**



# **Appendix: Modulation Calibration Parameters**

0	Rev	Communication System Name CW	Group	PAR (dB)	Unc <sup>E</sup> k =
10010		24, 27340	CW	0.00	±4.7
10011	CAC	i subdation loquate, rooms, tums	Test	10.00	±9.6
10012			WCDMA	2.91	±9.6
10012	CAB		WLAN	1.87	±9.6
10013	DAC	COLORING THE CHOILE (DOGG-OFDIVI, O MIDDS)	WLAN	9.46	±9.6
10021	DAC		GSM	9.39	±9.6
10023	DAC		GSM	9.57	±9.6
10024	-	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
10028	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth		±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	1.16	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	7.74	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	4.53	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	3.83	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	8.01	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)		4.77	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	Bluetooth	4.10	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	CDMA2000	4.57	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	7.78	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	AMPS	0.00	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	13.80	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	DECT	10.79	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	TD-SCDMA	11.01	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM	6.52	±9.6
10060	CAB	IEEE 802.11b WiFI 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	2.83	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	3.60	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68	±9.6
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	8.63	±9.6
		IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.09	±9.6
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.00	±9.6
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	±9.6
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 38 Mbps)	WLAN	10.12	±9.6
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	10.56	±9.6
	CAB	IEEE 802.11g WIFI 2.4 GHZ (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
		IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
_	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
		JMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
	AC	JMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
	AC I	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	
	AFL	TE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD		±9.6
	AF	TE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	5.67	±9.6
	AF	TE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.42	±9.6
	AH   L	TE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	6.60	±9.6
0104 C	AH L	TE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)		9.29	±9.6
105 C	AH L	TE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
108 C/	AH L	TE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	10.01	±9.6
109 C/	AH L	TE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	5.80	±9.6
110 C/	AHL	TE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	6.43	±9.6
111 C/	AH I	TF-FDD (SC-FDMA, 100% RB, 5MHz, 10-QAM)	LTE-FDD	5.75	±9.6
		( The and Toolo rid, Olimitz, TO-QAWI)	LTE-FDD	6.44	±9.6

10112	CAH	Communication System Name LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Group	PAR (dB)	Unc <sup>E</sup> k =
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	LTE-FDD	6.62	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.10	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.46	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.15	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.07	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.59	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	WLAN	8.13	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	6.53	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.35	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	6.65	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.76	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.41	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.72	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.42	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	6.60	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.28	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	9.92	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	10.05	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	6.43	±9.6
	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-FDD	5.79	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	6.56	±9.6
0161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD LTE-FDD	5.82	±9.6
	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)		6.43	±9.6
	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD LTE-FDD	6.58	±9.6
	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.46	±9.6
	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.21	±9.6
	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.79	±9.6
	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	6.49	±9.6
	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.21	±9.6
	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
	CAH I	TE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
	CAH I	TE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
	CAJ L	TE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
0178 0	CAH L	TE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
	CAH L	TE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
	CAH L	TE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
	CAFL	TE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
	CAF	TE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
	AEL	TE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
	AFL	TE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
	AFL	TE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6 ±9.6
	AFL	TE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	
	AG L	TE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6 ±9.6
	AG L	TE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
	AG L	TE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
	AD IE	EE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
	AD IE	EE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
_	AD IE	EE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
	AD IE	EE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
	AD IE	EE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
	AD IE	EE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
	AD IE	EE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	
	AD IE	EE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
221 C/	AD IE	EE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
222 CA	AD IE	EE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.27	±9.6
	AD IE	EE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	±9.6
224 CA	AD   IE	EE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6 ±9.6

10225	CAC	Communication System Name UMTS-FDD (HSPA+)	Group	PAR (dB)	Unc <sup>E</sup> k =
10226		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	WCDMA	5.97	±9.6
10227		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.49	±9.6
10228	-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	10.26	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.22	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	10.25	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.19	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	10.25	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.21	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	10.25	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.21	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	10.25	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.21	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.82	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.86	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	9.46	±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	10.06	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.30	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	9.91	±9.6
0249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	10.09	±9.6
0250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.29	±9.6
0251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.81	±9.6
0252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	10.17	±9.6
0253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.24	±9.6
0254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	9.90	±9.6
0255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	10.14	±9.6
	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.20	±9.6
0257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.96	±9.6
and the second se	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	10.08	±9.6
	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.34	±9.6
	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.98	±9.6
	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.97	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-TDD	9.24	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	9.83	±9.6
	CAH	TE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-TDD	10.16	±9.6
		TE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.23	±9.6
		TE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-OAM)	LTE-TDD	9.92	±9.6
267 (		TE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	10.07	±9.6
268 C	CAG	TE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	9.30	±9.6
	CAG	TE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
	CAG	TE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	10.13	±9.6
	CAC	JMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	9.58	±9.6
		JMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA		±9.6
	CAA   P	PHS (QPSK)	PHS	3.96	±9.6
-	AA P	HS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
	AA P	HS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	11.81	±9.6
	AB C	DMA2000, RC1, SO55, Full Rate	CDMA2000	12.18	±9.6
	AB C	DMA2000, RC3, SO55, Full Rate	CDMA2000	3.91	±9.6
	AB C	DMA2000, RC3, SO32, Full Rate	CDMA2000	3.46	±9.6
	AB C	DMA2000, RC3, SO3, Full Rate	CDMA2000	3.39	±9.6
	ABC	DMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
	AE LI	E-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
	AE LI	E-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD		±9.6
	AE LT	E-FDD (SC-FDMA, 50% RB, 3 MHz, 16-OAM)	LTE-FDD	5.72	±9.6
	AE LT	E-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.39	±9.6
01 AA	AA IE	EE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	6.60	±9.6
02 AA	AA   IE	EE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)		12.03	±9.6
03 AA	A	EE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.57	±9.6
04 AA	AA IE	EE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
		EE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	11.86	±9.6
05 AA	A	CC 602.166 WINAA (31:15, 10 ms. 10 MHz, 640AM PUSC 15 symbols)	WiMAX	15.24	±9.6

1030		- dation bystem name	Group	PAR (dB)	Unc <sup>E</sup> k =
1030		A IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.49	±9.6
1030		IEEE 002:10e WIMAA (29:18, 10 ms, 10 MHz, 16QAM, PUSC)           IEEE 802:16e WIMAA (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.46	±9.6
1031	0.07.6	LEEE 802.16e WIMAA (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
1031		LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
1031	11.0.05	iDEN 1:3	LTE-FDD	6.06	±9.6
1031			IDEN	10.51	±9.6
1031			iDEN	13.48	±9.6
1031	0.000	IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
1031		IEEE 802.11g WIFI 2.4 GHZ (EHP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
1035		The second	WLAN	8.36	±9.6
1035	0.0101040		Generic	10.00	±9.6
10354			Generic	6.99	±9.6
10355		Pulse Waveform (200Hz, 60%)	Generic	3.98	±9.6
10356	-	Pulse Waveform (200Hz, 80%)	Generic	2.22	±9.6
10387	-	QPSK Waveform, 1 MHz	Generic	0.97	±9.6
10388	-	QPSK Waveform, 10 MHz	Generic	5.10	±9.6
10396		64-QAM Waveform, 100 kHz	Generic	5.22	±9.6
10399		64-CAM Waveform, 100 kHz	Generic	6.27	±9.6
10399		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	the second se	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402		IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
	1.0	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404		CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
0416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99nc duty cycle)	WLAN	8.23	
0417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle   ong preambulo)	WLAN		±9.6
0419	AAA	TEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.14	±9.6
0422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
0423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN		±9.6
0424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.47	±9.6
0425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.40	±9.6
0426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.41	±9.6
0427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.45	±9.6
0430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.41	±9.6
0431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
0432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)		8.38	±9.6
0433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
0434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	LTE-FDD	8.34	±9.6
0435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	WCDMA	8.60	±9.6
0447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.82	±9.6
)448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.56	±9.6
0449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6
0450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7.48	±9.6
453	AAE	Validation (Square, 10 ms, 1 ms)	WCDMA	7.59	±9.6
456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	Test	10.00	±9.6
457	AAB	UMTS-FDD (DC-HSDPA)	WLAN	8.63	±9.6
458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA	6.62	±9.6
459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	6.55	±9.6
460	AAB	LIMTS-EDD (M/CDMA_AMD)	CDMA2000	8.25	±9.6
461	AAC	TETDD (SC EDMA 1 PR 1 ANUE ODOK UN O 1	WCDMA	2.39	±9.6
462	AAC	TE-TOD (SC-EDMA 1 DD 1 1 MUL 10 DAMA 10 DAMA	LTE-TDD	7.82	±9.6
463	AAC	TE-TDD (SC EDMA 1 DB 1 AMUL OF OANLIN O LT	LTE-TDD	8.30	±9.6
	AAD	LTE-TOD (SC-EDMA 1 BB 2MH2 ODEK 11 Subtance OD 1 200)	LTE-TDD	8.56	±9.6
-	AAD	TE-TOD (SC EDMA 1 DD DAME 40 CAM IN D.14	LTE-TDD	7.82	±9.6
	AAD	TE TOD /00 FOMA / DD and/	LTE-TDD	8.32	±9.6
	AAG		LTE-TDD	8.57	±9.6
	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
	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
	AAG	TE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
-	AAG	TE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
	AAG	TE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

104/3         AAF         LT           104/3         AAF         LT           104/3         AAF         LT           104/3         AAF         LT           104/7         AAG         LT           104/7         AAG         LT           104/7         AAG         LT           104/7         AAG         LT           104/7         AAC         LT           104/8         AAC         LT           104/8         AAC         LT           104/8         AAC         LT           104/8         AAD         LT           104/8         AAD         LT           104/8         AAG         LT           104/9         AAG         LT           04/9         AAG	TE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) TE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	PAR (dB) 8.57	Unc <sup>E</sup> k =
10474         AAF         LT           10475         AAF         LT           10475         AAF         LT           10477         AAG         LT           10477         AAG         LT           10477         AAG         LT           10479         AAC         LT           10480         AAC         LT           10481         AAC         LT           10482         AAD         LT           10483         AAD         LT           10484         AAD         LT           10485         AAG         LT           10486         AAG         LT           10487         AAG         LT           10488         AAG         LT           10490         AAG         LT           10491         AAF         LT           10492         AAF         LT           10493         AAG         LT           10494         AAG         LT           10495         AAG         LT           10496         AAG         LT           10497         AAC         LT           0498         AAC	TE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)		0.07	±9.6
10475         AAF         LTI           10477         AAG         LTI           10477         AAG         LTI           10478         AAG         LTI           10479         AAC         LTI           10479         AAC         LTI           10480         AAC         LTI           10481         AAC         LTI           10482         AAD         LTIE           10483         AAD         LTIE           10484         AAD         LTIE           10485         AAG         LTIE           10486         AAG         LTIE           10487         AAG         LTIE           10488         AAG         LTIE           10490         AAG         LTE           10491         AAF         LTE           0493         AAF         LTE           0494         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0501         AAG         LTE           0502 <td></td> <td>LTE-TDD</td> <td>7.82</td> <td>±9.6</td>		LTE-TDD	7.82	±9.6
10477         AAG         LTI           10478         AAG         LTI           10479         AAC         LTI           10479         AAC         LTI           10480         AAC         LTI           10480         AAC         LTI           10481         AAC         LTI           10482         AAD         LTI           10483         AAD         LTI           10484         AAD         LTI           10485         AAG         LTI           10486         AAG         LTI           10487         AAG         LTI           10488         AAG         LTI           10489         AAG         LTI           10490         AAG         LTI           10491         AAF         LTI           10492         AAF         LTI           10493         AAG         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           10498         AAC         LTE           10501 </td <td>TE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.32</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478         AAG         LTE           10479         AAC         LTE           10480         AAC         LTE           10481         AAC         LTE           10482         AAD         LTE           10482         AAD         LTE           10483         AAD         LTE           10484         AAD         LTE           10485         AAG         LTE           10486         AAG         LTE           10487         AAG         LTE           10488         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAG         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           10498         AAC         LTE           10499         AAC         LTE           10501         AAG         LTE           10502         AAG         LTE           10503 </td <td>TE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.57</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479         AAC         LTF           10480         AAC         LTF           10480         AAC         LTF           10481         AAC         LTF           10482         AAD         LTF           10482         AAD         LTF           10483         AAD         LTF           10484         AAD         LTF           10485         AAG         LTF           10486         AAG         LTF           10487         AAG         LTF           10488         AAG         LTF           10490         AAG         LTF           10491         AAF         LTF           10492         AAF         LTF           10493         AAG         LTF           10494         AAG         LTF           10495         AAG         LTF           10496         AAG         LTF           10497         AAC         LTF           10498         AAC         LTF           10499         AAC         LTF           10501         AAG         LTF           10502         AAG         LTF           10503 </td <td>TE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.32</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10480         AAC         LTF           10481         AAC         LTF           10482         AAD         LTF           10483         AAD         LTF           10483         AAD         LTF           10483         AAD         LTF           10484         AAD         LTF           10485         AAG         LTF           10486         AAG         LTF           10487         AAG         LTF           10489         AAG         LTF           10490         AAG         LTF           10491         AAF         LTF           10492         AAF         LTF           10493         AAF         LTF           10494         AAG         LTF           10495         AAG         LTF           10496         AAG         LTF           10497         AAC         LTF           10498         AAC         LTF           10499         AAC         LTF           10490         AAG         LTF           10501         AAG         LTF           10502         AAG         LTF           10503 </td <td>TE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subirame=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.57</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subirame=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10481         AAC         LTE           10482         AAD         LTE           10483         AAD         LTE           10483         AAD         LTE           10484         AAD         LTE           10485         AAG         LTE           10486         AAG         LTE           10487         AAG         LTE           10488         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAG         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           10498         AAC         LTE           10499         AAC         LTE           10499         AAC         LTE           10501         AAG         LTE           10502         AAG         LTE           10503         AAG         LTE           10504 </td <td>TE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>7,74</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7,74	±9.6
10482         AAD         LTE           10483         AAD         LTE           10483         AAD         LTE           10484         AAD         LTE           10485         AAG         LTE           10485         AAG         LTE           10486         AAG         LTE           10487         AAG         LTE           10488         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAG         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           10498         AAC         LTE           10499         AAC         LTE           10499         AAC         LTE           10501         AAG         LTE           10502         AAG         LTE           10503         AAG         LTE           10504 </td <td>TE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.18</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10483         AAD         LTE           10484         AAD         LTE           10485         AAG         LTE           10485         AAG         LTE           10486         AAG         LTE           10487         AAG         LTE           10488         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           10498         AAC         LTE           10499         AAC         LTE           10499         AAC         LTE           10501         AAD         LTE           10502         AAD         LTE           10503         AAG         LTE           10504         AAG         LTE           10505         AAG         LTE           10506 </td <td>TE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.45</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10484         AAD         LTE           10485         AAG         LTE           10485         AAG         LTE           10486         AAG         LTE           10487         AAG         LTE           10488         AAG         LTE           10489         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           10498         AAC         LTE           10499         AAC         LTE           10500         AAD         LTE           10501         AAG         LTE           10502         AAG         LTE           10503         AAG         LTE           10504         AAG         LTE           10505         AAG         LTE           10506 </td <td>TE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>7.71</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10485         AAG         LTE           10486         AAG         LTE           10487         AAG         LTE           10488         AAG         LTE           10489         AAG         LTE           10489         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           10498         AAC         LTE           10499         AAC         LTE           10500         AAD         LTE           10501         AAG         LTE           10502         AAG         LTE           10503         AAG         LTE           10504         AAG         LTE           10505         AAG         LTE           10506         AAG         LTE           10512 </td <td>TE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.39</td> <td>±9.6</td>	TE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10486         AAG         LTE           10487         AAG         LTE           10487         AAG         LTE           10488         AAG         LTE           10489         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           0494         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0509         AAD         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAG         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508 <td< td=""><td>TE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)</td><td>LTE-TDD</td><td>8.47</td><td>±9.6</td></td<>	TE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10487         AAG         LTE           10488         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0511         <	TE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10488         AAG         LTE           10489         AAG         LTE           10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           0494         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AA	TE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10489         AAG         LTE           10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           10494         AAG         LTE           10493         AAF         LTE           10494         AAG         LTE           10495         AAG         LTE           10496         AAG         LTE           10497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0510         AAF         LTE           0511         AAG         LTE           0512 <t< td=""><td>TE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)</td><td>LTE-TDD</td><td>8.60</td><td>±9.6</td></t<>	TE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10490         AAG         LTE           10491         AAF         LTE           10492         AAF         LTE           10493         AAF         LTE           10493         AAF         LTE           10493         AAF         LTE           0493         AAF         LTE           0494         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0510         AAF         LTE           0511         AAG         LTE           0512         AAG	E-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
Number         AAP         LTE           10492         AAF         LTE           0493         AAF         LTE           0494         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0509         AAF         LTE           0510         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AAG <td>E-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.31</td> <td>±9.6</td>	E-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10492         AAF         LTE           10493         AAF         LTE           10493         AAF         LTE           10493         AAF         LTE           0493         AAG         LTE           0494         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AAG         LEEE           0516         AAA<	E-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
0493         AAF         LTE           0494         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0509         AAF         LTE           0510         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AAG         LTE           0514         AAG         LTE           0515         AAA	E-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0494         AAG         LTE           0495         AAG         LTE           0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0510         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AAG         LEEE           0514         AAG         LEEE           0515         AAA<	E-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
0495         AAG         LTE           0496         AAG         LTE           0497         AAC         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AAG         LTE           0514         AAG         LTE           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC <td>E-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subirame=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.55</td> <td>±9.6</td>	E-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subirame=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
0496         AAG         LTE           0497         AAC         LTE           0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0509         AAF         LTE           0509         AAF         LTE           0510         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AAG         LTE           0514         AAG         LTE           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC <td>E-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>7.74</td> <td>±9.6</td>	E-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0497         AAC         LIE           0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           0509         AAF         LTE           0510         AAF         LTE           0511         AAF         LTE           0512         AAG         LTE           0513         AAG         LTE           0514         AAG         LTE           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC <td>E-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.37</td> <td>±9.6</td>	E-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
0498         AAC         LTE           0499         AAC         LTE           0500         AAD         LTE           0501         AAD         LTE           0502         AAD         LTE           0503         AAG         LTE           0504         AAG         LTE           0505         AAG         LTE           0506         AAG         LTE           0507         AAG         LTE           0508         AAG         LTE           0509         AAF         LTE           05011         AAF         LTE           0512         AAG         LTE           0513         AAG         LTE           0514         AAF         LTE           0515         AAG         LTE           0516         AAF         LTE           0517         AAG         LTE           0518         AAC         IEEE           0519         AAC         IEEE           0519         AAC         IEEE           0520         AAC         IEEE           0521         AAC         IEEE           0522         AAC	E-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
0499         AAC         LTE-           0500         AAD         LTE-           0501         AAD         LTE-           0502         AAD         LTE-           0503         AAG         LTE-           0504         AAG         LTE-           0505         AAG         LTE-           0506         AAG         LTE-           0507         AAG         LTE-           0508         AAG         LTE-           0509         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAF         LTE-           0515         AAG         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAG         LTE-           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC         IEEE           0520 <td>E-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>7.67</td> <td>±9.6</td>	E-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
0500         AAD         LTE-           0501         AAD         LTE-           0502         AAD         LTE-           0503         AAG         LTE-           0504         AAG         LTE-           0505         AAG         LTE-           0506         AAG         LTE-           0506         AAG         LTE-           0506         AAG         LTE-           0507         AAG         LTE-           0508         AAG         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0510         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAG         LTE-           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC         IEEE           0520         AAC         IEEE           0521         AAC         IEEE           0522 <td>E-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.40</td> <td>±9.6</td>	E-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
0501         AAD         LTE-           0502         AAD         LTE-           0503         AAG         LTE-           0504         AAG         LTE-           0505         AAG         LTE-           0506         AAG         LTE-           0507         AAG         LTE-           0508         AAG         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAF         LTE-           0515         AAA         LTE-           0516         AAA         LTE-           0517         AAG         LTE-           0518         AAC         IEEE           0519         AAC         IEEE           0519         AAC         IEEE           0519         AAC         IEEE           0520         AAC         IEEE           0521         AAC         IEEE           0522         AAC         IEEE           0523 <td>E-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.68</td> <td>±9.6</td>	E-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
0502         AAD         LTE-           0503         AAG         LTE-           0504         AAG         LTE-           0505         AAG         LTE-           0506         AAG         LTE-           0507         AAG         LTE-           0508         AAG         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0510         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAG         LTE-           0515         AAA         IEEE           0516         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC         IEEE           0519         AAC         IEEE           0520         AAC         IEEE           0521         AAC         IEEE           0522         AAC         IEEE           0523         AAC         IEEE           0524 <td>E-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>7.67</td> <td>±9.6</td>	E-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
0503         AAG         LTE-           0504         AAG         LTE-           0505         AAG         LTE-           0506         AAG         LTE-           0507         AAG         LTE-           0508         AAG         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0510         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAG         LTE-           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC         IEEE           0519         AAC         IEEE           0519         AAC         IEEE           0520         AAC         IEEE           0521         AAC         IEEE           0522         AAC         IEEE           0523         AAC         IEEE           0524         AAC         IEEE           0525 <td>E-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.44</td> <td>±9.6</td>	E-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
0504         AAG         LTE-           0505         AAG         LTE-           0506         AAG         LTE-           0507         AAG         LTE-           0508         AAG         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0510         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAG         LTE-           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC         IEEE           0519         AAC         IEEE           0520         AAC         IEEE           0521         AAC         IEEE           0522         AAC         IEEE           0523         AAC         IEEE           0524         AAC         IEEE           0525         AAC         IEEE           0528 <td>E-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) E-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.52</td> <td>±9.6</td>	E-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) E-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
0505         AAG         LTE-           0506         AAG         LTE-           0507         AAG         LTE-           0508         AAG         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0509         AAF         LTE-           0510         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAG         LTE-           0515         AAA         IEEE           0516         AAA         IEEE           0517         AAA         IEEE           0518         AAC         IEEE           0519         AAC         IEEE           0519         AAC         IEEE           0520         AAC         IEEE           0521         AAC         IEEE           0522         AAC         IEEE           0523         AAC         IEEE           0526         AAC         IEEE           0527         AAC         IEEE           0528 <td>-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK, 0L Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>7.72</td> <td>±9.6</td>	-TDD (SC-FDMA, 100% RB, 5 MHz, 0PSK, 0L Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
Jobie         AAG         LTE-           J507         AAG         LTE-           J508         AAG         LTE-           J509         AAF         LTE-           J509         AAF         LTE-           J510         AAF         LTE-           J511         AAF         LTE-           J512         AAG         LTE-           J513         AAG         LTE-           J513         AAG         LTE-           J514         AAG         LTE-           J513         AAG         LTE-           J514         AAG         LTE-           J515         AAA         IEEE           J516         AAA         IEEE           J517         AAA         IEEE           J518         AAC         IEEE           J519         AAC         IEEE           J520         AAC         IEEE           J521         AAC         IEEE           J522         AAC         IEEE           J523         AAC         IEEE           J524         AAC         IEEE           J525         AAC         IEEE           J526 </td <td>-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>8.31</td> <td>±9.6</td>	-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
Josof/         AAG         LTE-           Joba         AAG         LTE-           Joba         AAF         LTE-           Joba         AAG         IEEE           Joba         AAC         IEEE           Joba<	-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
Jobs         AAG         LTE-           J509         AAF         LTE-           J510         AAF         LTE-           J511         AAF         LTE-           J511         AAF         LTE-           J512         AAG         LTE-           J513         AAG         LTE-           J514         AAG         LTE-           J515         AAA         LTE-           J514         AAG         LTE-           J515         AAA         IEEE           J516         AAA         IEEE           J517         AAA         IEEE           J518         AAC         IEEE           J519         AAC         IEEE           J519         AAC         IEEE           J520         AAC         IEEE           J521         AAC         IEEE           J522         AAC         IEEE           J523         AAC         IEEE           J524         AAC         IEEE           J525         AAC         IEEE           J526         AAC         IEEE           J528         AAC         IEEE           J531 <td>-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)</td> <td>LTE-TDD</td> <td>7.74</td> <td>±9.6</td>	-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
AAF         LTE-           0510         AAF         LTE-           0511         AAF         LTE-           0511         AAF         LTE-           0512         AAG         LTE-           0513         AAG         LTE-           0514         AAG         LTE-           0515         AAA         LTE-           0516         AAA         LTE-           0517         AAA         IEEE           0517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE <tr td=""> <tr td="">          532</tr></tr>	-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subirame=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
AAF         LTE           D511         AAF         LTE           D512         AAG         LTE           D513         AAG         LTE           D514         AAG         LTE           D515         AAA         IEEE           D516         AAA         IEEE           D516         AAA         IEEE           D517         AAA         IEEE           D518         AAC         IEEE           D519         AAC         IEEE           D519         AAC         IEEE           D520         AAC         IEEE           D521         AAC         IEEE           D520         AAC         IEEE           D521         AAC         IEEE           D522         AAC         IEEE           D523         AAC         IEEE           D524         AAC         IEEE           D525         AAC         IEEE           D526         AAC         IEEE           D528         AAC         IEEE           D531         AAC         IEEE           D532         AAC         IEEE	-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
AAF         LTE-           1511         AAG         LTE-           1512         AAG         LTE-           1513         AAG         LTE-           1514         AAG         LTE-           1515         AAA         IEEE           1516         AAA         IEEE           517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE	-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±96
1512         AAG         LTE           1513         AAG         LTE           1514         AAG         LTE           1515         AAA         IEEE           516         AAA         IEEE           517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           524         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           531         AAC         IEEE           532         AAC	-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
1513         AAG         LTE-1           1514         AAG         LTE-1           1515         AAA         IEEE           516         AAA         IEEE           517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           528         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
AAG         LTE-T           1515         AAA         IEEE           516         AAA         IEEE           517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           528         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
AAA         IEEE           516         AAA         IEEE           517         AAA         IEEE           517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE	-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
516         AAA         IEEE           517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	E 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	LTE-TDD	8.45	±9.6
517         AAA         IEEE           518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	E 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
518         AAC         IEEE           519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           521         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	E 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
519         AAC         IEEE           520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	E 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
520         AAC         IEEE           521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           521         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	E 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
521         AAC         IEEE           522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	E 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
522         AAC         IEEE           523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	E 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
523         AAC         IEEE           524         AAC         IEEE           525         AAC         IEEE           526         AAC         IEEE           527         AAC         IEEE           528         AAC         IEEE           529         AAC         IEEE           531         AAC         IEEE           532         AAC         IEEE	802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
224     AAC     IEEE       225     AAC     IEEE       226     AAC     IEEE       227     AAC     IEEE       228     AAC     IEEE       229     AAC     IEEE       331     AAC     IEEE       332     AAC     IEEE	E 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
525     AAC     IEEE       526     AAC     IEEE       527     AAC     IEEE       528     AAC     IEEE       529     AAC     IEEE       531     AAC     IEEE       532     AAC     IEEE	802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
526         AAC         IEEE           527         AAC         IEEE         6           528         AAC         IEEE         6           529         AAC         IEEE         6           531         AAC         IEEE         6           532         AAC         IEEE         6	E 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.27	±9.6
527         AAC         IEEE           528         AAC         IEEE         6           529         AAC         IEEE         6           531         AAC         IEEE         6           532         AAC         IEEE         6	802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.36	±9.6
528     AAC     IEEE 6       529     AAC     IEEE 6       531     AAC     IEEE 6       532     AAC     IEEE 6	802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.42	±9.6
29         AAC         IEEE 8           31         AAC         IEEE 8           32         AAC         IEEE 8	802_11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.21	±9.6
i31         AAC         IEEE 8           i32         AAC         IEEE 8	802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
32 AAC   IEEE 8	802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN WLAN	8.36	±9.6
DO AAO IFFF	802.11ac WiFi (20 MHz, MCS7, 99pc duly cycle)		8.43	±9.6
33 AAC IEEE 8	802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
34 AAC IEEE 8	802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.38	±9.6
35 AAC IEEE 8	802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
36 AAC IEEE 8	802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
2.2.1		WLAN	8.32	±9.6
38 AAC IEEE 8	802.11ac WiFi (40 MHz, MCS3, 99nc duty cycla)		8.44	±9.6
40 AAC IEEE 8	802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle) 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle) 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN WLAN	8.54	±9.6