

APPENDIX C: PROBE AND DIPOLE CALIBRATION CERTIFICATES

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst

Service suisse d'étalonnage С

Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client Element		Certificate No	EX-7565_Jan23
CALIBRATION C	ERTIFICATE	······································	실무자 기술책임자
Object	EX3DV4 - SN:7	7565	Tre / 2.6-202
Calibration procedure(s)	QA CAL-25.v8	0, QA CAL-12.v10, QA CAL-14. cedure for dosimetric E-field pro	
Calibration date	January 12, 20	23	
This calibration certificate do The measurements and the	cuments the traceability to uncertainties with confiden	o national standards, which realize the physice probability are given on the following pa	sical units of measurements (Si).
		ratory facility: environment temperature (2	
Calibration Equipment used			2 ± 3) o and humbly < 70% .
_			
Primary Standards	ĪD	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249_Oct	(22) Oct-23
OCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016_Oct2	
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	10-Oct-22 (No. DAE4-660_Oct22)	Oct-23
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

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÷		Name	Function	Signature
	Calibrated by	Jeton Kastrati	Laboratory Technician	et la
	Approved by	Sven Kühn	Technical Manager	5. 6.
	This calibration certificate shall no	ot be reproduced except in full with	out written approval of the	Issued: January 17, 2023 laboratory.

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 φ	φ rotation around probe axis
Polarization θ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ 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 E2-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx, y, z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- · ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \le 800$ 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 ± 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 $(\mu V/(V/m)^2)^A$	0.65	0.48	0.62	±10.1%
DCP (mV) B	98.7	100.5	98.9	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A	В	C	D	VR	Max	Max
			dB	dBõV		dB	mV	dev.	UncE
					,				k = 2
0	CW	X	0.00	0.00	1.00	0.00	156.7	±3.3%	±4.79
		Ϋ́	0.00	0.00	1.00	1	164.2		,
10000		Z	0.00	0.00	1.00		163.5		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	90.15	20.04	10.00	60.0	±3.0%	±9.69
		Y	20.00	89.42	19.64		60.0	-	
10353		Z	20.00	90.72	20.48		60.0	1	
10353	Pulse Waveform (200Hz, 20%)	X	;	91.77	19.81	6.99	80.0	±1.7%	±9.6%
		Y	20.00	90.03	18.98		80.0		
10051		Ź	20.00	92.41	20.27		80.0	1	
10354	Pulse Waveform (200Hz, 40%)	X	20.00	92.34	18.71	3.98	95.0	±0.9%	±9.6%
		Y	20.00	91.90	18.69		95.0		
10055		<u>Z</u>	20.00	95.62	20.49		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	92.39	17.44	2.22	120.0	±0.8%	±9.6%
		Y	20.00	93.59	18.35		120.0		
10007	000000000000000000000000000000000000000	Z	20.00	97.26	19.93		120.0		
10387	QPSK Waveform, 1 MHz	X	1.51	65.56	14.10	1.00	150.0	±2.8%	±9.6%
		Y	1.46	64.01	13.39		150.0	+	,
10000		Z	1.42	63.81	13.24	ľ	150.0		
10388	QPSK Waveform, 10 MHz	X	2.05	67.04	15.01	0.00	150.0	±1.0%	±9.6%
		Y	1.92	65.48	14.15		150.0		-0.07
10000		Z	1.88	65.26	14.03	ſ	150.0		
10396	64-QAM Waveform, 100 kHz	X	2.51	67.95	17.53	3.01	150.0	±1.0%	±9.6%
		Y	2.72	69.62	18.18	L	150.0		
0000		Z	2.28	65.99	16.42	Ĭ	150.0		
0399	64-QAM Waveform, 40 MHz	X	3.41	66.81	15.48	0.00	150.0	±2.0%	±9.6%
		Y	3.31	65.98	14.96	- -	150.0		
0414		Z	3.27	65.84	14.90	F	150.0	ļ	
0414	WLAN CCDF, 64-QAM, 40 MHz	X	4.78	65.66	15.47	0.00	150.0	±3.9%	±9.6%
		Y	4.69	65.07	15.06	Ļ	150.0		
		Z	4.66	64.96	15.01	ŀ	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%.

- B Linearization parameter uncertainty for maximum specified field strength.
- E Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 to 7).

Sensor Model Parameters

	C1 fF	C2 fF	ν ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T 6
x	39.2	294.37	35.81	15.40	0.09	5.10	0.16	0.38	1.01
у	41.9	310.61	34.90	17.68	0.00	5.07	1.82	0.08	1.01
Z	41.7	310.72	35.24	15.72	0.00	5.10	0.09	0.36	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	
Tip Length	10 mm 9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	2.5 mm
Probe Tip to Sensor Y Calibration Point	
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1 mm
	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) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (<i>k</i> = 2)
750	41.9	0.89	9.58	9.58	9.58	0.53	0.84	±12.0%
835	41.5	0.90	9.16	9.16	9.16	0.45	0.88	±12.0%
1750	40.1	1.37	8.23	8.23	8.23	0.49	0.86	±12.0%
1900	40.0	1.40	7.89	7.89	7.89	0.44	0.86	±12.0%
2300	39.5	1.67	7.25	7.25	7.25	0.36	0.90	±12.0%
2450	39.2	1.80	7.08	7.08	7.08	0.37	0.90	±12.0%
2600	39.0	1.96	6.89	6.89	6.89	0.32	0.90	±12.0%
5250	35.9	4.71	5.29	5.29	5.29	0.40	1.80	±14.0%
5600	35.5	5.07	4.56	4.56	4.56	0.40	1.80	±14.0%
5750	35.4	5.22	4.70	4.70	4.70	0.40	1.80	±14.0%
5850	35.2	5.32	4.56	4.56	4.56	0.40	1.80	±14.0%

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10.25 , 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz. F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$) and are valid for TSL with deviations of up to $\pm 10\%$. If TSL with deviations from the target of fess than $\pm 5\%$ are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than $\pm 1\%$ 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.

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	55.5	0.96	9.73	9.73	9.73	0.49	0.80	±12.0%
835	55.2	0.97	9.52	9.52	9.52	0.45	0.80	±12.0%
1750	53.4	1.49	7.94	7.94	7.94	0.43	0.86	±12.0%
1900	53.3	1.52	7.54	7.54	7.54	0.43	0.86	±12.0%
2300	52.9	1.81	7.20	7.20	7.20	0.47	0.90	±12.0%
2450	52.7	1.95	7.03	7.03	7.03	0.40	0.90	±12.0%
2600	52.5	2.16	6.91	6.91	6.91	0.37	0.90	±12.0%
5250	48.9	5.36	4.51	4.51	4.51	0.50	1.90	±14.0%
5600	48.5	5.77	3.94	3.94	3.94	0.50	1.90	±14.0%
5750	48.3	5.94	3.97	3.97	3.97	0.50	1.90	±14.0%
5850	48.1	6.06	3.87	3.87	3.87	0.50	1.90	±14.0%

Calibration Parameter Determined in Body 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 ε and σ by less than \pm 5% from the target values (typically better than \pm 3%)

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

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

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G	Unc (k = 2)
6500	34.5	6.07	5.10	5.10	5,10	0.20	2.50	±18.6%

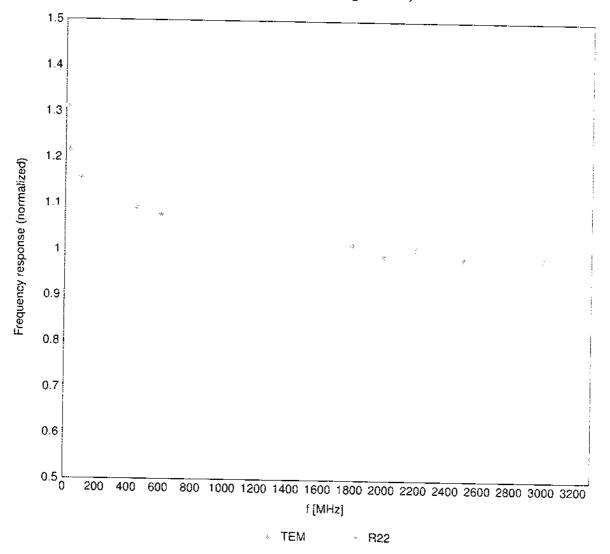
^C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration

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

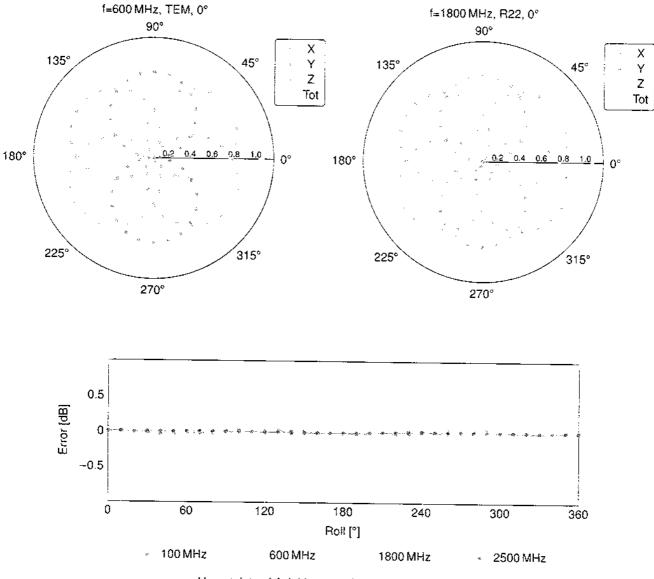
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 6-10 GHz at any distance larger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

Frequency Response of E-Field

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

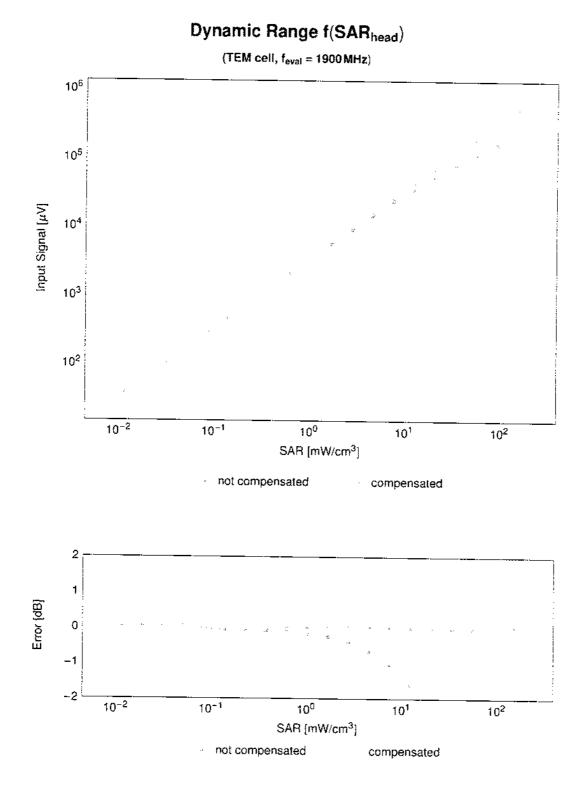


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)



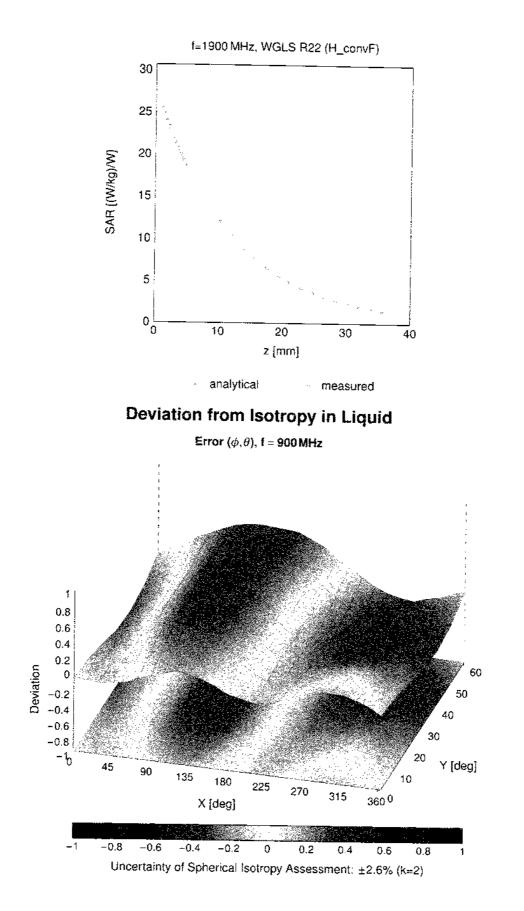
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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

Conversion Factor Assessment



Appendix: Modulation Calibration Parameters

	Rev	Communication System Name	Group		
)	CW	CW	0.00	±4.7
10010	_	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	
10011			WCDMA	2.91	±9.6
10012		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013			WLAN	9.46	±9.6
10021		GSM-FDD (TDMA. GMSK)	GSM	9.39	±9.6
10023		GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	· · · · · · · · · · · · · · · · · · ·
10024		GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025		EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026			GSM	9.55	±9.6
10027		GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	<u>±9.6</u>
10028		GPRS-FOD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	<u> </u>		GSM	7.78	±9.6
10030			Bluetooth	5.30	±9.6
10031		IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth		<u>±9.6</u>
10032			Bluetooth	1.87	<u>±9.6</u>
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)		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		Bluetooth	8.01	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.77	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	Bluetooth	4,10	±9.6
10042	CAB		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		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
10064		IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	8.63	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.09	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.00	±9.6
10067	<u> </u>	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mops)	WLAN	9.38	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 38 Mops)	WLAN	10.12	<u>±9.6</u>
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	10.56	±9.6
10072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9Mbps)	WLAN	9.83	±9.6
10073		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10074	CAB		WLAN	9.94	<u>=</u> 9.6
10075	CAB		WLAN	10.30	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10081	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	į 11.00	±9.6
10082	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	<u>⊢</u>	IS-54 / IS-136 FDD (TOMA/FDM, PI/4-DOPSK, Fullrate)	AMPS	4,77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	
	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100 10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-OAM)	LTE-TOD	10.01	±9.6
404	ÇAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FOD	5.80	±9.6
10108	<u></u> !				
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)		-	
_	CAH CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.43 5.75	±9.6 ±9.6

UID Rev 10112 CAF		Group	PAR (dB)	Unc ^E $k = 2$
		LTE-FDD	6.59	±9.6
· · · · · · · · · · · · · · · · · · ·		LTE-FDD	6.62	±9.6
		WLAN	8.10	±9.6
		WLAN	8.46	±9.6
10116 CAE		WLAN	8.15	±9.6
10117 CAD		WLAN	8.07	±9.6
10118 CAD		WLAN	8.59	±9.6
10119 CAD		WLAN	8.13	±9.6
10140 CAF		LTE-FDD	6,49	<u></u> <u>±9.6</u>
10141 CAF	(00 / Dimit, 100 / Dimit, 10 Mill2, 04 QAMI)	LTE-FDD	6.53	±9.6
10142 CAF		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 CAP	= = = = = (LTE-FDD	6.65	<u>+9.6</u>
10145 CAG		LTE-FDD	5.76	±9.6
10146 CAG		LTE-FDD	6.41	±9.6
10147 CAG	= (00 / 01/1, 100 / 01/1, 1,4 / //12, 04-QA(VI)	LTE-FDD	6.72	±9.6
10150 CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	, LTE-FDD	6.42	±9.6
		LTE-FDD	6.60	±9.6
10152 CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	=9.6
10152 CAH	· == (00 · 500 · 10, 20 M 12, 10-QAM)	LTE TOD	9.92	±9.6
		LTE-TDD	10.05	±9.6
10155 CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10156 CAH		LTE-FDD	6.43	±9.6
10157 CAH		LTE-FDD	5.79	±9.6
10157 CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10159 CAH		LTE-FDD	6.62	±9.6
10160 CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FOD	6.56	±9.6
10161 CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10162 CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.43	±9.6
10166 CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10167 CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, GPSK)	LTE-FDD	5.46	±9.6
10168 CAG		LTE-FDD	6.21	±9.6
10169 CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.79	±9.6
10170 CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10171 AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
<u> </u>	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.49	±9.6
10173 CAH		LTE-TDD	9.21	<u>±9.6</u>
10174 CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)		9.48	±9.6
10175 CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)		10.25	±9.6
10176 CAH		LTE-FDD	5.72	±9.6
10177 CAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	6.52	±9.6
	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10179 CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10180 CAH		LTE-FDD	6.50	±9.6
10181 CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE FDD	6.50	±9.6
10182 CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	5.72	±9.6
10183 AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10184 CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FOD	6.50	±9.6
10185 CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10186 AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.51	±9.6
10187 CAG	LTE-FDD (SC-FDMA, 1 R8, 1.4 MHz, QPSK)	LTE-FDD	6.50	±9.6
10188 CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10189 AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.52	=9.6
10193 CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)		6.50	±9.6
10194 CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.09	±9.6
10195 CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.12	±9.6
10196 CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.21	±9.6
10197 CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.10	<u>±9.6</u>
10198 CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.13	±9.6
10219 CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.27	±9.6
10220 CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps. 16-QAM)	WLAN	8.03	±9.6
10221 CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.13	±9.6
10222 CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.27	±9.6
10223 CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	±9.6
10224 CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.48	±9.6
• • •	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	WLAN	8.08	±9.6

10225	Rev 5 CAC		Group	PAR (dB)	Unc ^E k
10226			WCDMA	5.97	±9.6
10227	_	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.49	±9.6
10228	GAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TOD	10.26	±9.6
10229		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.22	<u>÷</u> 9.6
10230			LTE-TOD	9.48	±9.6
10231		LTE-TOD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TOD	10.25	±9.6
10232		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.19	±9.6
10233		LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10234			LTE-TDD	10.25	±9.6
10235		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TOD	9.21	±9.6
10236	_	LTE TOD (SC FDMA, 1 RB, 10 MHZ, 16-QAM)	LTE-TDD	9.48	<u>+9.6</u>
10237			LTE-TDD	10.25	±9.6
10238			LTE-TOD	9.21	±9.6
10239		LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	9.48	:9.6
10240	CAG	LTE-TOD (SC-FDMA, TRB, 15 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10241	CAC		LTE-TDD	9.21	±9.6
10242	-		LTE-TDD	9.82	±9.6
0242			LTE-TOD	9.86	<u>±9.6</u>
0243	_		LTE-TOD	9.46	
0244			LTE-TDD	10.06	±9.6 ±9.6
0245			LTE-TDD	10.06	±9.6
0246			LTE-TOD	9.30	±9.6
	CAH		LTE-TDD	9.91	
0248				10.09	<u>÷9.6</u>
0249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9,29	±9.6 ±9.6
0250	CAH		LTE-TOD		
0251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)		9.81	±9.6
0252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TOD	9.24	±9.6
0253	CAG		LTE-TDD		±9.6
0254	CAG		LTE-TDD	9.90	<u>±9.6</u>
0255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	- 10.14	±9.6
0256	CAC		LTE-TOD	9.20	<u>±9.6</u>
0257	CAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.96	±9.6
0258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1,4 MHz, QPSK)		10.08	19.6
259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)		9.34	<u>±9.6</u>
260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.98	±9.6
)261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TOD	9.97	±9,6
262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)		9.24	±9.6
263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)		9.83	±9.6
264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)		10.16	±9.6
265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TOD	9.23	±9.6
266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)		9.92	±9.6
267	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	10.07	±9.6
268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)		9.30	<u>±9.6</u>
269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)		10.06	±9.6
270	CAG	LTE-TDD (SC-FDMA, 100% R8, 15 MHz, QPSK)		10.13	±9.6
274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	LTE-TDD	9.58	±9.6
275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	4.87	±9.6
277	CAA	PHS (OPSK)	WCDMA	3.96	±9.6
278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	11.81	±9.6
290	AAB	CDMA2000, RC1, SO55, Full Rate	PHS	12.18	±9.6
291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.91	±9.6
292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.46	±9.6
293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.39	±9.6
	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	3.50	±9.6
	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	CDMA2000	12.49	±9.6
	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.81	±9.6
	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	5.72	±9.6
	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.39	±9.6
	AAA	IEEE 802.16e WIMAX (29:18, 5 ms. 10 MHz, QPSK, PUSC)	LTE-FDD	6.60	±9.6
	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.03	±9.6
	AAA	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.57	±9.6
	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
	AAA	IEEE 802 16e WIMAX (31:15, 10 ma 10 MHz, 04 0AM, PUSC)	WIMAX	11.86	±9.6
	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
		IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	±9.6

UID Rev 10307 AAA	Communication System Name	Group	PAR (dB)	Unc ^E k =
10308 AAA	UPSK, PUSC, 18 Symbols)	WIMAX	14.49	±9.6
10309 AAA	HOLAN, PUSCI	WIMAX	14.46	±9.6
10310 / AAA		WIMAX	14.58	: 9.6
	Line and the second sec	WIMAX	14.57	±9.6
		LTE-FDD	6.06	±9.6
10313 AAA			10.51	
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	·	19.6
10316 AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10317 AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	·	8.36	±9.6
10352 AAA	Pulse Waveform (200Hz, 10%)	WLAN	8.36	±9.6
10353 AAA	Pulse Waveform (200Hz, 20%)	Generic	10.00	±9.6
10354 AAA	Pulse Waveform (200Hz, 40%)	Generic	6.99	±9.6
0355 AAA	Pulse Waveform (200Hz, 60%)	Generic	3.98	±9.6
0356 AAA	Pulse Waveform (200Hz, 80%)	Generic	2.22	±9.6
10387 AAA	OPSK Waveform, 1 MHz	Generic	0.97	±9.6
0388 AAA	QPSK Waveform, 10 MHz	Generic	5.10	±9.6
		Generic	5.22	±9.6
	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
0399 AAA	64-QAM Waveform, 40 MHz	Generic	6.27	
0400 AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duly cycle)	WLAN	8.37	±9.6
0401 AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN		±9.6
0402 AAE	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
0403 AAB	CDMA2000 (1xEV-DO, Rev. 0)		8.53	±9.6
0404 AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.76	±9.6
0406 AAB		CDMA2000	3.77	±9.6
0410 AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7.8,9. Subframe Conf=4)	CDMA2000	5.22	±9.6
0414 AAA	WLAN CCDF, 64-OAM, 40 MHz	LTE-TDD	7.82	±9.6
0415 AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Generic	8.54	±9.6
0416 AAA	IEEE 802.110 WIFI 2.4 GHZ (USSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	-9.6
		WEAN	8.23	≏9.6
	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, Long preambule)	WLAN	8.14	±9.6
0419 AAA	LEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99nd duty cycle, Short preambule)	WLAN	8.19	·
0422 AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	<u>±9.6</u>
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)		8.40	<u></u> z9.6
0426 AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.41	±9.6
427 AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.45	±9.6
0430 AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	WLAN	8.41	±9.6
0431 AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.28	<u>÷9.6</u>
432 AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
		LTE-FDD	8.34	±9.6
1433 AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FOD	8.34	<u>÷9.6</u>
434 AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
435 AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOD	7.82	±9.6
447 AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	
448 AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
449 AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD		±9.6
450 AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)		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 11 ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	Test	10.00	±9.6
457 AAB	UMTS-FDD (DC-HSDPA)	WLAN	8.63	<u>-</u> 9.6
458 AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA	6.62	±9.6
459 AAA	CDMA2000 (1XEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
460 AAB	UMTS-FDD (WCDMA, AMR)	CDMA2000	8.25	±9.6
461 AAC		WCDMA	2.39	±9.6
	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.82	±9.6
	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-OAM, UL Subframe=2,3,4.7,8,9)	LTE-TDD	8.30	±9.6
463 AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2.3.4.7 8 9)	LTE-TOD	8.56	<u></u> 9.6
464 AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TOD	7.82	·····
465 AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TOD		±9.6
466 AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)		8.32	=9.6
467 AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.57	-9.6
468 AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	7.82	±9.6
469 AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
470 AAG	TETOD (SC EDMA 1 PR 10 MUL ODOV UN O HI	LTE-TOD	8.56	±9.6
	TETDD (SC-EDMA 1 PR 10 MHS 10 OAM 11 O HI	LTE-TOD	7.82	±9.6
471 · AAG		LTE-TDD		

AAG	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM. UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3.4,7.8,9)	LTE-TDD	7.82	±9.6
	LTE-TOD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
	LTE-TOD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
	LTE-TOD (SC-FDMA, 1 HB, 20 MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.32	±9.6
	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
	UTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
	LIE-TDD (SC-PUMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
<u> </u>	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7.8,9)	LTE-TDD	8.39	±9.6
	(175 TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subirame=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
	LTE TOD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2.3,4,7,8.9)	LTE-TDD	7.59	±9.6
	LTE TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
	175 TDD (SC-FDMA, 50% RB, 5 MHZ, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.60	±9.6
	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
	LTE TOD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.31	±9.6
	LTE TOD (SC-PDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
· · ·	LTE-TDD (SC-FDMA, 50% HB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
	TE-TOD (SC-EDMA, 50% PB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.41	±9.6
	TE-TOD (SC-EDMA, 50% PD, 15 MHZ, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.55	±9.6
· · · · ·	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
	LTE-TDD (SC-FDMA 50% PR 20MHz 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.37	±9.6
	LTE-TOD (SC-FOMA, 50% RB, 20 MHZ, 64-QAM, UL Subtrame=2,3,4,7.8,9)	LTE-TOD	8.54	±9.6
	TE-TOD (SC-EDMA, 100% RB, 1.4 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)		7.67	±9.6
	LTE-TOD (SC-EDMA, 100% PB, 1,4 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)		8.40	±9.6
	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHZ, 64-QAM, UL SUDIrame=2,3,4,7,8,9)		8.68	±9.6
<u> </u>	LTE-TOD (SC-FDMA 190% 8B 3MHz 16 OAM (8 Subtrame=2,3,4,7,8,9)	··	7.67	±9.6
	LTE-TOD (SC-FDMA, 100% RB, 3 MH2, 10-QAM, UL SUBITAME=2,3,4,7,8,9)		8.44	±9.6
_	LTE-TDD (SC-FDMA, 100% RB, 5MH2, OPSK /// Subframe=2,3,4,7,8,9)		8.52	±9.6
	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16 OAAA UL Cubiname=2,3,4,7,8,9)		7.72	±9.6
	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64 OAM, UL Subtrame=2,3,4,7,8,9)		8.31	±9.6
AAG	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 0PSK, UL, Subtrame=2,3,4,7,8,9)		8.54	<u>~9.6</u>
AAG	LTE-TOD (SC-FDMA, 100% BB, 10 MHz, 4PSR, 4L Subtame=2,3,4,7,8,9)			±9.6
AAG	LTE-TDD (SC-EDMA 100% BB 10MHz 64-OAM UL Subframe=2,3,4,7,8,9)			±9.6
AAF	LTE-TDD (SC-FDMA 100% BB 15MHz OPSK UL Subframe 2.3,4,7,8,9)			<u>±9.6</u>
AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM, UL, Subframe, 2.2.4.7.8,9)			<u>±9.6</u>
AAF	LTE-TDD (SC-FDMA, 100% BB, 15 MHz, 64 OAM, UL Subframe, 2.3.4,7,8,9)	· / / /		±9.6
AAG	LTE-TDD (SC-EDMA, 100% BB 20 MHz, OPSK, LII, Subframe=2,3,4,7,8,9)			<u>±9.6</u>
AAG	LTE-TDD (SC-FDMA, 100% BB, 20 MHz, 16-OAM, UI, Subtrame=2,3,4,7,6.9)			±9.6
AAG	LTE-TDD (SC-FDMA, 100% BB 20 MHz, 64-OAM, UL Subtrame=2,3,4,7,8,9)			<u>±9.6</u>
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS_2 Mbrs_ 990c duty overla)			9.6
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS 55 Mbps, 99pc duty cycle)			±9.6
	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 990c duty cycle)			±9.6
AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 990c duty cycle)			±9.6
AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)		<u> </u>	±9.6
AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbos, 99oc duty cycle)			<u>+9.6</u>
AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbos, 990c duty cycle)			±9.6
AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99nc duty cycle)			<u>+9.6</u>
AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)			±9.6
AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)		<u></u>	±9.6
AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)			±9.6
AAC	IEEE 802.11 ac WiFi (20 MHz, MCS1, 99pc duty cycle)			±9.6
AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)			±9.6
AAC	IEEE 802.11 ac WiFi (20 MHz, MCS3, 99pc duty cycle)			<u>±9.6</u>
AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)		·	±9.6
AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	· · · · · · · · · · · · · · · · · · ·		±9.6
AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)			±9.6
AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)			<u>= = 9.6</u>
AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)			±9.6
AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)			±9.6
AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)			±9.6
AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.32	<u>±9.6</u>
		1 7 FL/UN	0.44	±9.6
AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.54	19.6
	AAFAAFAAGAAGAAGAACAACAACAADAADAAGAAC<	AAF LTE-TDD (SC-FDMA, 1 RB, 15MHz, DF3K, UL Subframe-2,3,4,7,8,9) AAF LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM, UL Subframe-2,3,4,7,8,9) AAC LTE-TDD (SC-FDMA, 50% RB, 1,4MHz, 0-PSK, UL Subframe-2,3,4,7,8,9) AAC LTE-TDD (SC-FDMA, 50% RB, 1,4MHz, 0-PSK, UL Subframe-2,3,4,7,8,9) AAC LTE-TDD (SC-FDMA, 50% RB, 3,1,4MHz, 0-PSK, UL Subframe-2,3,4,7,8,9) AAD LTE-TDD (SC-FDMA, 50% RB, 3,1,4,1,16-CAM, UL Subframe-2,3,4,7,8,9) AAD LTE-TDD (SC-FDMA, 50% RB, 3,1,1,1,16-QAM, UL Subframe-2,3,4,7,8,9) AAD LTE-TDD (SC-FDMA, 50% RB, 5,1,1,1,16-QAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 50% RB, 5,1,1,1,16-QAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 50% RB, 10,1,1,1,16-QAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 50% RB, 10,1,1,1,1,1,2,0,1,1,1,1,1,1,2,1,1,1,1,1	AAF LVE TDD (SC-FDMA, 18R, 15MHz, 20PSK, UL Subtrame-23, 47, 8.9) LVE TDD AAF LVE TDD (SC-FDMA, 18R, 15MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAG LVE TDD (SC-FDMA, 18R, 15MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAG LVE TDD (SC-FDMA, 18R, 25MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAG LVE TDD (SC-FDMA, 18R, 25MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAC LVE TDD (SC-FDMA, 50%, RB, 1.4 MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAC LVE TDD (SC-FDMA, 50%, RB, 1.4 MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAD LVE TDD (SC-FDMA, 50%, RB, 31MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAD LVE TDD (SC-FDMA, 50%, RB, 31MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAD LVE TDD (SC-FDMA, 50%, RB, 31MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAG LVE TDD (SC-FDMA, 50%, RB, 51MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAG LVE TDD (SC-FDMA, 50%, RB, 51MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAG LVE TDD (SC-FDMA, 50%, RB, 10MHz, 16-OAM, UL Subtrame-23, 47, 8.9) LVE TDD AAG LVE TDD (SC-FDMA, 50%, RB, 10MHz, 16-OAM, UL Subtrame-23, 47, 8.9) <t< td=""><td>AAF UTE: TDD CFE. CFE.</td></t<>	AAF UTE: TDD CFE. CFE.

UID Re		Group	PAR (dB)	Unc ^E $k = 2$
10541 AA		WLAN	8.46	<u></u>
10542 AA		WLAN	8.65	<u>= 29.8</u> ±9.6
10543 AA	do the tree in the milder sope only cycles	WLAN	8.65	±9.6
10544 AA		WLAN	8.47	±9.6
10545 AA		WLAN	8.55	±9.6
10546 AA		WLAN	8.35	±9.6
10547 AA		WLAN	8.49	±9.6
10548 AA		WLAN	8.37	±9.6
10550 AA		WLAN	8.38	±9.6
10551 AA		WLAN	8.50	±9.6
10552 AA		WLAN	8.42	±9.6
10553 AA		WLAN	8.45	<u>+9.6</u>
10554 AA		WLAN	8.48	±9.6
10555 AAI		WLAN	8.47	±9.6
10556 AAI		WLAN	8.50	±9.6
10557 AAI		WLAN	8.52	±9.6
10558 AAG		WLAN	8.61	±9.6
10560 AAL		WLAN	8.73	±9.6
<u> </u>		WLAN	8.56	÷9.6
10562 AAD 10563 AAD		WLAN	8.69	÷9.6
		WLAN	8.77	±9.6
10564 AA/ 10565 AA/		WLAN	8.25	±9.6
<u> </u>		WLAN	8.45	±9.6
10566 AAA 10567 AAA		WLAN	8.13	±9.6
10567 AAA 10568 AAA		WLAN	8.00	±9.6
10569 AAA		WLAN	8.37	±9.6
10570 AAA		WLAN	8.10	±9.6
10571 AAA		WLAN	8.30	<u></u> 49.6
10572 AAA		WLAN	1,99	<u>+</u> 9.6
10573 AAA		WLAN	1.99	±9.6
10574 AAA	and the concertaine (allocate, allowards, super and cycle)	WLAN	1.98	±9.6
10575 AAA		WLAN	1.98	±9.6
10576 AAA		WLAN	8.59	±9.6
10577 AAA	A IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10578 AAA	LIEE 802.11g WIFI 2.4 GH2 (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	<u>≛9.6</u>
10579 AAA		WLAN	8.49	±9.6
10580 AAA	A IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10581 AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10582 AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10583 AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10584 AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10585 AAC		WLAN	8.60	±9.6
10586 AAC		WLAN	8.70	<u>-</u> 9.6
10587 AAC		WLAN	8.49	±9.6
10588 AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10589 AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10590 AAC		WLAN	8.35	<u>±9.6</u>
10591 AAC	IEEE 802.11n (HT Mixed. 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.67	<u>=:9.6</u>
10592 AAC		WLAN	8.63	±9.6
10593 AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.79	±9.6
10594 AAC		WLAN	8.64	±9.6
10595 AAC		WLAN	8.74	±9.6
10596 AAC		WLAN	8.74	<u>±9.6</u>
10597 AAC		WLAN	8.71	<u>±9.6</u>
10598 AAC		WLAN	8.72	<u>9.6</u>
10599 AAC		WLAN WLAN	8.50	±9.6
10600 AAC		WLAN	8.79	±9.6
10601 AAC		WLAN	8.88	±9.6
10602 AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.82	<u>=9.6</u>
10603 AAC		WLAN		±9.6
10604 AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	9.03	±9.6
10605 AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.76	±9.6
10606 : AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.97	<u>9.6</u>
10607 AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	·
10608 AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)			<u></u>
10608 AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9

UID Rev		Group	PAR (dB)	$Unc^E k = 2$
10609 AAC		WLAN	8,57	±9.6
10610 AAC		WLAN	8.78	±9.6
10611 AAC		WLAN	8.70	±9.6
10612 AAC		WLAN	8.77	<u></u>
10613 AAC		WLAN	8.94	±9.6
10614 AAC		WLAN	8.59	±9.6
10615 AAC		WLAN	8.82	±9.6
10616 AAC		WLAN	8.82	±9.6
10617 AAC		WLAN	8.81	±9.6
10618 AAC		WLAN	8.58	±9.6
10619 AAC		WLAN	8.86	±9.6
10620 AAC		WLAN	8.87	±9.6
10621 AAC		WLAN	8.77	±9.6
10622 AAC		WLAN	8.68	±9.6
10623 AAC		WLAN	8.82	±9.6
10624 AAC		WLAN	8.96	±9.6
10625 AAC		WLAN	8.96	<u>±9.6</u>
10626 AAC		WLAN	8.83	±9.6
10627 AAC		WLAN	8.88	±9.6
10628 AAC		WLAN	8.71	±9.6
10629 AAC		WLAN	8.85	±9.6
10630 AAC		WLAN	8.72	<u></u> 9.6
10631 AAC		WLAN	8.81	=9.6
10632 AAC		WLAN	8.74	±9.6
10633 AAC	IEEE 802.11ac WiFi (80 MHz. MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634 AAC		WLAN	8.80	<u></u> ±9.6
10635 AAC		WLAN	8.81	±9.6
10636 AAD		WLAN	8.83	±9.6
10637 AAD		WLAN	8.79	±9.6
10638 AAD		WLAN	8.86	±9.6
10639 AAD		WLAN	8.85	±9.6
10640 AAD		WLAN	8.98	±9.6
10641 AAD		WLAN	9.06	±9.6
10642 AAD		WLAN	9.06	±9.6
10643 AAD		WLAN	8.89	±9.6
10644 AAD		WLAN	9.05	±9.6
10645 AAD		WLAN	9.11	±9.6
10646 AAH		LTE-TOD	11.96	±9.6
10647 AAG		LTE-TOD	11.96	±9.6
10648 AAA		CDMA2000	3.45	±9.6
10652 AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.91	=9.6
10653 AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654 AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.96	±9.6
10655 AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	; LTE-TDD	7,21	- 9.6
10658 AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	<u>±9.6</u>
10659 AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660 AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661 AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662 AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670 AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671 AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672 AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673 AAC	IEEE 802.11ax (20 MHz, MCS2. 90pc duty cycle)	WLAN	8.78	±9.6
10674 AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10675 AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
10676 AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677 AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678 AAC	IEEE 802.11ax (20 MHz, MCS7. 90pc duty cycle)	WLAN	8.78	±9.6
10679 AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680 AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681 AAC	IEEE 802.1 1ax (20 MHz, MCS10. 90pc duty cycle)	WLAN	8.62	±9.6
10682 AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683 AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10684 AAC 10685 AAC	IEEE 802 11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685 AAC 10686 AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.33	±9.6
	LIGEE OUZ LIBY ZUMANT MUSS SOOC duby availab	WLAN	8.28	±9.6

10687	AAC	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10688		IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8,45	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10 690	AAC	IEEE 802 11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle) IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10693	AAC	EEE 802.11ax (2014Us MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10695	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.78	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.61	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS3, 50pc duty cycle)	WLAN	8.89	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.82	±9.6
10701	AAC	IEEE 802.1 1ax (40 MHz. MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.86	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.70	<u>±9.6</u>
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.56	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.69	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.66	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.32	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)		8.55	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.33	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.29	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.39	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.67	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.33	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.26	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.30	<u>+</u> 9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.48	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.24	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.87	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)		8.76	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.55	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.70	
10725	AAC :	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)		8.90	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.74	<u>±9.6</u>
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.72	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.66	±9.6
10729	AAC	IEEE 802.11ax (80 MHz. MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	· · · · · · · · · · · · · · · · · · ·	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.67	<u>±9.6</u>
	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	<u>=9.6</u>
<u> </u>	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	<u>±9.6</u>
	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6 ±9.6
	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
·	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
	AAC	EEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
	AAC	EEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
	AAC	EEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	19.6
	AAC	EEE 802.11ax (80 MHz. MCS10, 99pc duty cycle)	WLAN	8.40	<u>19.6</u>
	AAC	EEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
	AAC	EEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
	AAC	EEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
		EEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
	AAC I	EEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9,11	±9.6
	AAC I	EEE 802.11ax (160 MHz, MCS4. 90pc duty cycle)	WLAN	9.04	±9.6
		EEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
		EEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
		EEE 802.1 1ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
	AAC F AAC F	EEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) EEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	=9.6
			WLAN		

UID 10753	AAC	Communication System Name IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	Group	PAR (dB)	$\operatorname{Unc}^{E} k = 2$
10754		IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10755		IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.94	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.64	±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	8.77	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.69	<u>±9.6</u>
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN WLAN	8.58	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS6, 99oc duty cycle)	WLAN	8.49	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.58 8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6 ±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10766	i AAC	IEEE 802.11ax (160 MHz, MCS10. 99pc duty cycle)	WLAN	8.54	±9.6
10767	AAE	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	WLAN	8.51	<u>-9.6</u>
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	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	8.01	±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 5G NR FR1 TDD	8.02	±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	<u>÷9.6</u> ±9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FRI TDD	8.30	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±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	8.38	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	<u>±9.6</u>
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.40	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±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 AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10791	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
	AAD	5G NR (CP-OFDM, 1 RB. 5 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB. 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB. 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.92	±9.6
10794	AAD	5G NR (CP-OFDM. 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.84	±9.6
	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	<u>±9.6</u>
	AAD	SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01 7.89	<u>±9.6</u>
· · · · · · · · ·	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 ±9.6
	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
	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
	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	<u>=9.6</u>
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818 :		5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.35	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 7	8.34	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6 ±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 30 kHz)	5G NR FR1 TOD	8.41	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
		5G NR (CP-OFDM. 100% RB. 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
		5G NR (CP-OFDM, 100% RB. 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.41	<u>9.6</u>
	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
		(1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	5G NR FR1 TDD	8.43	±9.6

10829 A	Communication System Name AD 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	Group	PAR (dB)	Unc ^E k
10830 A	D 5G NR (CP-OFDM, 100% HB, 100MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8,40	±9.6
	D 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10832 A	D 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.73	±9.6
10833 A/	D 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.74	±9.6
10834 A/	D 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7,70	±9.6
10835 A/	D 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	<u>±9.6</u>
10836 ; AA	D 1 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10837 A/	D 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10839 A/	D 5G NR (CP-OFDM, 1 RB. 80 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	7.68	±9.6
10840 AA	D 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7,70	±9.6
10841 AA	D 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10843 : AA	D 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10844 AA	D 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,49	±9.6
10846 AA	D 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	8.34	±9.6
10854 AA	D 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10855 AA	D 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10856 AA	D 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10857 AA	D 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10858 / AA	D 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10859 AA	D 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10860 AA	5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10861 AA	D 5G NR (CP-OFDM, 100% RB. 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	=9.6
10863 AA	D 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10864 AA	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	<u>±9.6</u>
10865 AA	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10866 AA	D 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0868 AA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	<u>±9.6</u>
0869 AA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR1 TDD	5.89	±9.6
0870 AA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TOD	5.75	±9.6
0871 AA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.86	<u>±9.6</u>
0872 AA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0873 AA	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.52	<u>±9.6</u>
0874 AA	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
0875 AA	5G NR (CP-OFDM, 1 R8, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
0876 AAI	5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
0877 AA		5G NR FR2 TOD	8.39	<u>±9.6</u>
0878 AA		5G NR FR2 TDD	8,41	±9.6
0879 AAE		5G NR FR2 TDD	8.12	±9.6 ±9.6
0880 AAE		5G NR FR2 TDD	8.38	±9.6
0881 AAE		5G NR FR2 TOD	5.75	±9.6
0882 AAE		5G NR FR2 TDD	5.96	±9.6
0883 AAE		5G NR FR2 TDD	6.57	<u>±9.6</u>
0884 AAE		5G NR FR2 TDD	6.53	<u>±9.6</u>
0885 AAE		5G NR FR2 TDD	6.61	±9.6
0886 AAE		5G NR FR2 TDD	6.65	<u>19.6</u> ±9.6
0887 AAE		5G NR FR2 TDD	7.78	<u>±9.6</u>
0888 AAE		5G NR FR2 TDD	8.35	±9.6
		5G NR FR2 TDD	8.02	±9.6
		5G NR FR2 TDD	8.40	±9.6
		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	8,41	±9.6
		5G NR FR1 TDD	5.66	±9.6
898 AAB		5G NR FR1 TDD	5.67	±9.6
000 AAB		5G NR FR1 TDD	5.67	±9.6
900 AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
901 AAB		5G NR FR1 TDD	5.68	±9.6
902 AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
904 ; AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
905 AAB	5G NR (DET-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
906 AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
907 AAC	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.68	±9.6
908 AAB	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	29.6
909 AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
910 AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
<u> </u>	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

1091	Rev 1 AAB		Group	PAR (d8)	$Unc^{E} k = 2$
1091		5G NR (DFT-S-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) 5G NR (DFT-S-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
1091		5G NR (DFT's-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	4 AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5. 8 4	±9.6
1091	5 AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.85	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10917	7 AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10919		5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920		5G NR (DFT-s-OFDM, 100% RB. 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.86	±9.6
10921		5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10922			5G NR FR1 TOD	5.82	±9.6
10923		The stand of the s	5G NR FR1 TDD	5.84	±9.6 ±9.6
10924		5G NR (DFT-s-OFDM, 100% RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	_	, and the second reading of the second so the second secon	5G NR FR1 TDD	5.95	±9.6
10920		5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10928		5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10929		5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
10930		5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931		5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10932		5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933		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	5.51	±9.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10939		3 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.90	<u>9.6</u>
10940		5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	<u>÷9.6</u>
10941		5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	19.6
10942		5G NR (DFT's-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6 ±9.6
10943		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, 5MHz, QPSK, 15kHz)	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
10947		5G NR (DFT-s-OFDM, 100% RB, 15 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	<u>+9.6</u>
10950	_	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	5.92	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.25	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)	5G NR FR1 FDD	8.15	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	<u>-9.6</u>
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	8.42	<u></u> 29.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	SG NR FRI FDD	8.14 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	<u>±9.6</u> ±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		5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963 10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TOD	9.29	19.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10968	AAB	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	9.42	±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	9.49	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	11.59	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD 1	9.06	±9.6
10978	AAA	ULLA BDR	5G NR FR1 TDD	10.28	±9.6
10979	AAA	ULLA HDR4		1.16	<u>±9.6</u>
10980	AAA	ULLA HDR8		8.58	±9.6
10004	AAA	ULLA HDRp4	ULLA	10.32	<u>±9.6</u>
10981		ULLA HDRp8		3.19	±9.6

UID	Rev	Communication System Name			
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	Group	PAR (dB)	$Unc^E k = 2$
10984		50 ND BL (07 OF DM, 114 3.1, 40 MHZ, 64-QAM, 15 KHZ)	5G NR FR1 TDD	9.31	+9.6
		5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9,42	±9.6
10985		5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)			<u>÷9.6</u>
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		<u>±</u> 9.6
10988	0 0 A	SC NP DL (CD OFDM THOAT TOLAN OF DAW, SURHZ)	5G NR FR1 TDD	9.53	±9.6
·		5G NR DL (CP-OFDM, TM 3.1. 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989		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

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

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



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Client

Element

Certificate No	
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CRED

EX-7420 Oct22

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Object	EX3DV4 - SN:7420
Calibration procedure(s)	QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v6, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes
Calibration date	October 20, 2022

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-21 (OCP-DAK3.5-1249_Oct21)	Oct-22
OCP DAK-12	SN: 1016	20-Oct-21 (OCP-DAK12-1016_Oct21)	Oct-22
Reference 20 dB Attenuator	SN: CC2552 (20x)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	10-Oct-22 (No. DAE4-660_Oct22)	Oct-23
Reference Probe ES3DV2	SN: 3013	27-Dec-21 (No. ES3-3013_Dec21)	Dec-22
<u> </u>	T	·	
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

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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	Aldonia Georgiadou	Laboratory Technicia	n Az
Approved by	Sven Kühn	Technical Manager	S.E=
This calibration certificate	shall not be reproduced except in full	without written approval of	Issued: October 21, 2022 f the laboratory.

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





S

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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 φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z*: Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ 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 E²-field uncertainty inside TSL (see below *ConvF*).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax, y, z; Bx, y, z; Cx, y, z; Dx, y, z; VRx, y, z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \le 800 \text{ MHz}$) 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 (<i>k</i> = 2)
Norm $(\mu V/(V/m)^2)^A$	0.50	0.54	0.60	±10.1%
DCP (mV) ^B	100.4	96.5	92.8	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	B	C	D	VR	Max	Max
			dB	dBõV		dB	mV	dev.	Unc ^E
									k = 2
0	CW	Х	0.00	0.00	1.00	0.00	168.4	±1.9%	±4.7%
		Y	0.00	0.00	1.00		148.4		
		Z	0.00	0.00	1.00		149.0		
10352	Pulse Waveform (200Hz, 10%)	Х	17.47	86.06	17.99	10.00	60.0	±3.2%	±9.6%
		Y	20.00	89.57	19.42		60.0		
		Z	20.00	87.31	18.61		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	87.96	17.64	6.99	80.0	±1.7%	±9.6%
		Y	20.00	91.14	19.01		80.0		
		Z	20.00	88.26	18.15		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	90.82	17.88	3.98	95.0	±0.8%	±9.6%
		Y	20.00	94.04	19.00		95.0		
		Z	20.00	89.62	17.59		95.0		
10355	ulse Waveform (200Hz, 60%)	X	20.00	96.48	19.44	2.22	120.0	±0.8%	±9.6%
		Y	20.00	95.08	18.17	1	120.0		
		Z	20.00	91.14	17.07	1	120.0		
10387	QPSK Waveform, 1 MHz	X	1.76	67.18	15.68	1.00	150.0	±3.1%	±9.6%
		Y	1.59	65.53	14.45		150.0		
		Z	2.20	74.35	18.30		150.0		
10388	QPSK Waveform, 10 MHz	X	2.34	68.97	16.37	0.00	150.0	±0.8%	±9.6%
		Y	2.14	67.28	15.27	1	150.0		
		Z	2.42	71.37	17.87		150.0		
10396	64-QAM Waveform, 100 kHz	X	3.07	71.77	19.54	3.01	150.0	±2.2%	±9.6%
		Y	2.73	69.20	18.24	1	150.0	1	
		Z	2.11	67.89	18.87		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.58	67.49	16.08	0.00	150.0	±1.9%	±9.6%
		Y	3.47	66.81	15.59	1	150.0	1	
		Z	3.56	68.07	16.71	1	150.0	1]
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.90	65.81	15.71	0.00	150.0	±3.7%	±9.6%
	1	Ý	4.86	65.58	15.53	4	150.0		
		Z		66.25	16.26	1	150.0	1	

Note: For details on UID parameters see Appendix

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

 ^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).
 ^B Linearization parameter uncertainty for maximum specified field strength.
 ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ^{−2}	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
X	44.9	336.38	35.87	16.03	0.00	5.04	1.43	0.20	1.01
у	44.4	339.20	36.96	10.57	0.00	5.08	0.63	0.34	1.01
z	29.8	236.76	39.84	21.91	0.00	5.10	0.00	0.17	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-68.0°
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) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	41.9	0.89	10.11	10.11	10.11	0.37	0.88	±12.0%
835	41.5	0.90	9.62	9.62	9.62	0.41	0.92	±12.0%
1750	40.1	1.37	8.40	8.40	8.40	0.47	0.86	±12.0%
1900	40.0	1.40	8.17	8.17	8.17	0.33	0.86	±12.0%
2300	39.5	1.67	7.77	7.77	7.77	0.31	0.90	±12.0%
2450	39.2	1.80	7.33	7.33	7.33	0.38	0.90	±12.0%
2600	39.0	1.96	7.20	7.20	7.20	0.38	0.90	±12.0%
5250	35.9	4.71	5.22	5.22	5.22	0.40	1.80	±14.0%
5600	35.5	5.07	4.63	4.63	4.63	0.40	1.80	±14.0%
5750	35.4	5.22	4.80	4.80	4.80	0.40	1.80	±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 $\pm 10, 25, 40, 50$ and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz. ^F At frequencies up to 6 GHz, the validity of tissue parameters (*ε* and *σ*) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

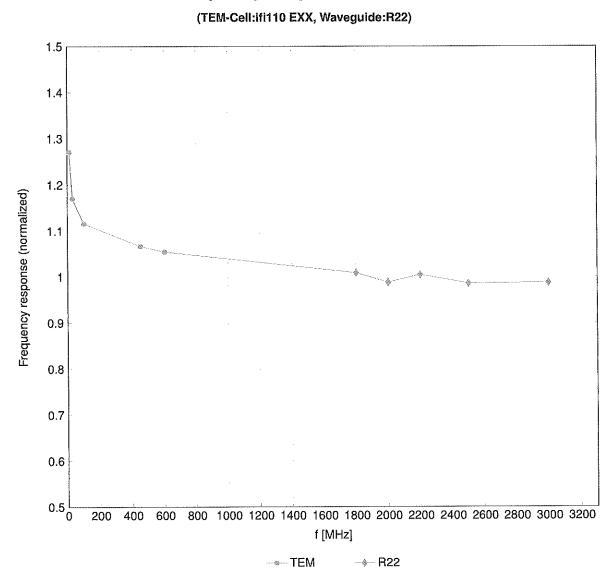
f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (<i>k</i> = 2)
750	55.5	0.96	9.54	9.54	9.54	0.32	1.00	±12.0%
835	55.2	0.97	9.31	9.31	9.31	0.44	0.83	±12.0%
1450	54.0	1.30	8.36	8.36	8.36	0.35	0.80	±12.0%
1750	53.4	1.49	8.09	8.09	8.09	0.48	0.86	±12.0%
1900	53.3	1.52	7.81	7.81	7.81	0.43	0.86	±12.0%
2300	52.9	1.81	7.60	7.60	7.60	0.39	0.90	±12.0%
2450	52.7	1.95	7.47	7.47	7.47	0.37	0.90	±12.0%
2600	52.5	2.16	7.27	7.27	7.27	0.35	0.90	±12.0%
5250	48.9	5.36	4.82	4.82	4.82	0.50	1.90	±14.0%
5600	48.5	5.77	4.10	4.10	4.10	0.50	1.90	±14.0%
5750	48.3	5.94	4.30	4.30	4.30	0.50	1.90	±14.0%

Calibration Parameter Determined in Body 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 ± 110 MHz. F At frequencies up to 6 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to $\pm 10\%$ if liquid compensation formula is applied to measured SAR

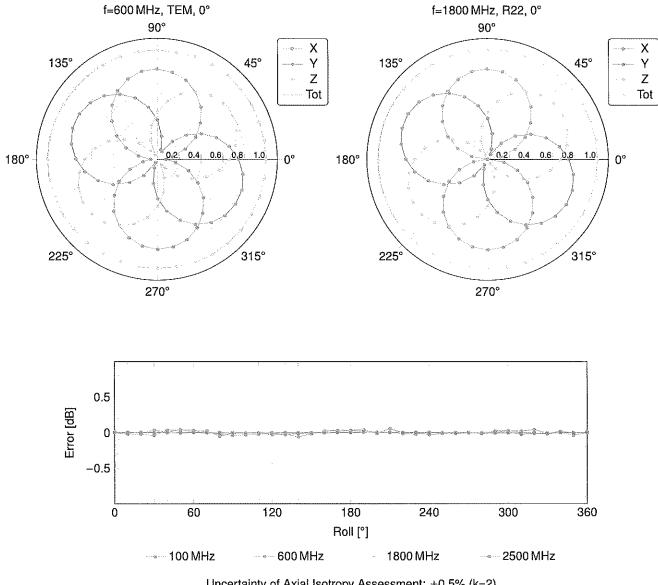
values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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.



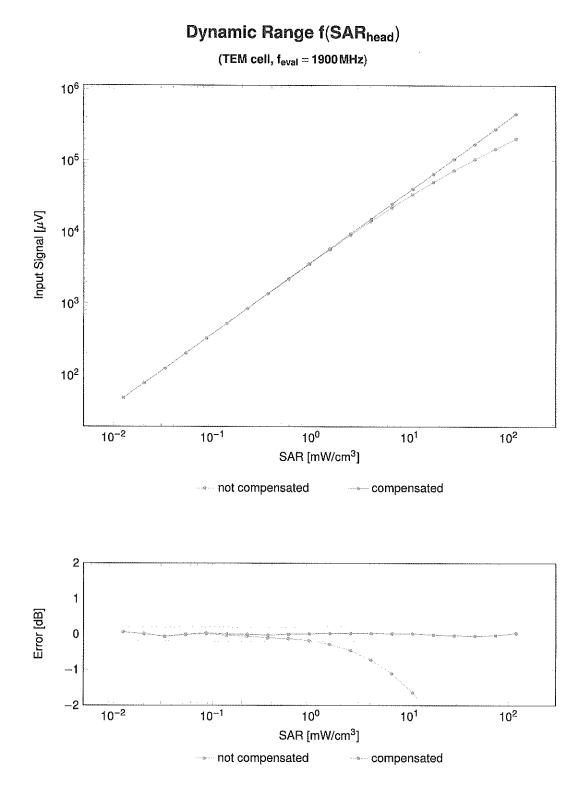
Frequency Response of E-Field

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



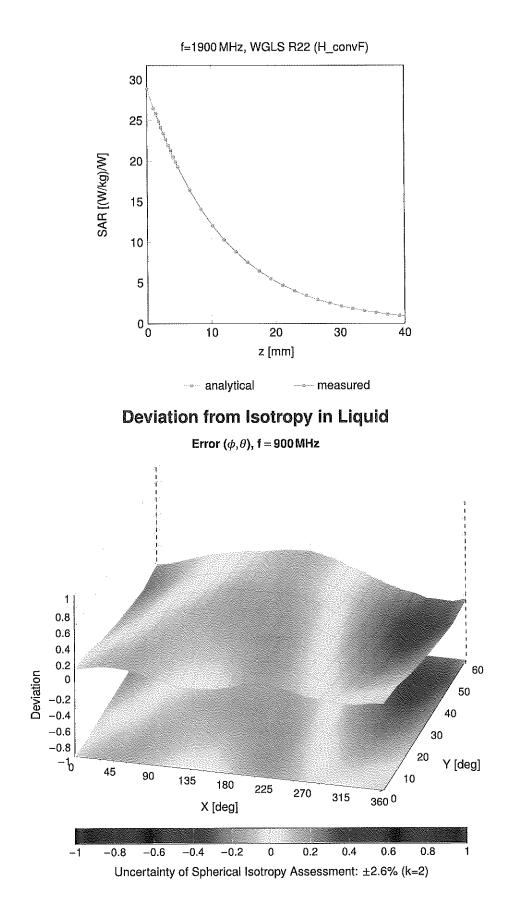
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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

Conversion Factor Assessment



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
0		CW	CW	0.00	±4.7
10010	CAA	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFl 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN CDMA2000	3.97	±9.6 ±9.6
10081	CAB CAB	CDMA2000 (1xRTT, RC3) IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10082	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10090	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10097		UMTS-FDD (HSUPA) UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10098	CAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9,55	±9.6
101099	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10100	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, GFSK)	LTE-FDD	6.42	±9.6
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10102	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10103	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10103	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10103	CAG		LTE-FDD	5.75	±9.6
10111	CAG		LTE-FDD	6.44	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAG	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	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147 10149	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	1	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152 10153	CAE CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	9.92	±9.6
10153	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD LTE-FDD	10.05 5.75	±9.6
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 ±9.6
10155		LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.79	±9.6 ±9.6
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAG	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	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5,73	±9.6
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6,49	±9.6
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10188 10189	CAG CAE	LTE-FDD (SC-FDMA, 1 HB, 1.4 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10189	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	LTE-FDD WLAN	6.50	±9.6
10193	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.09	±9.6 ±9.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Wbps, 18-QAW)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10198	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.10	±9.6 ±9.6
10197	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.13	±9.6
10198	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10213	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10220	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
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10222	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9,22	±9.6
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TOD	10.14	±9.6
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TOD	9.23	±9.6
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TOD	10.13	±9.6
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274 10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277 10278	CAD CAD	PHS (QPSK) PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10278	CAD	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	11.81	±9.6
10279	CAG	CDMA2000, RC1, SO55, Full Rate			±9.6
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000 CDMA2000	3.91 3.46	±9.6 ±9.6
10291	CAG	CDMA2000, RC3, SO35, Full Rate	CDMA2000	3.46	
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.59	±9.6
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10295	CAG	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6 ±9.6
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10299	CAP	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)		6.60	
10300	CAC	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	LTE-FDD WIMAX	·	±9.6
10301	CAC	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	±9.6 ±9.6
	CAB	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3CTRL)	WIMAX		
	UND			12.52	±9.6
10303	CAA				
10303 10304 10305	CAA CAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC)	WIMAX WIMAX	11.86	±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10307	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC)	WIMAX	14.49	± 9.6
10308	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6
10309	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3)	WIMAX	14.58	±9.6
10310	AAB	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3	WIMAX	14.57	±9.6
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAD	IDEN 1:3	IDEN	10.51	±9.6
10314	AAD	IDEN 1:6	IDEN	13.48	±9.6
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	±9.6
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200 Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200 Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200 Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200 Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200 Hz, 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	AAD	IEEE 802.11ac WiFI (20 MHz, 64-QAM, 99pc dc)	WLAN	8.37	±9.6
10401	AAA	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc dc)	WLAN	8.60	±9.6
10402	AAA	IEEE 802.11ac WIFi (80 MHz, 64-QAM, 99pc dc)	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	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	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 dc)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	±9.6
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8,41	±9.6
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9,6
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAC	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	IEEE 802.11ac WIFI (160 MHz, 64-QAM, 99pc dc)	WLAN	8.63	±9.6
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2,39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	±9.6
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10400	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10467	1				
10467	1	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LIE-IDD	8.32	1 119.0
10467 10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD LTE-TDD	8.32	±9.6
10467	1	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD LTE-TDD LTE-TDD	8.32	±9.6 ±9.6

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10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8,57	±9.6
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TOD	8.45	±9.6
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	±9.6
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	±9.6
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	±9.6
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	±9.6
10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	±9.6
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	±9.6
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	±9.6
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	±9.6
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	±9.6
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	±9.6
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	±9.6
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	±9.6
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	±9.6
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN WLAN	1.58	±9.6
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)		1.57	±9.6
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	±9.6
10518	AAF AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN WLAN	8.23	±9.6
10519	+	IEEE 802.11a/h WiFI 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN		±9.6
10520	AAB AAB	IEEE 802.11a/h WiFI 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	±9.6
10521	AAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	8.45	±9.6
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mops, 99pc dc)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mops, 99pc dc)	WLAN	8.00	±9.6
10524	AAC	IEEE 802.11a/1 WiFI 5 GH2 (OFDM, 54 WDps, 99pc dc)	WLAN	8.36	±9.6
10525	AAG	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc dc)	WLAN	8.30	±9.6
10520	AAF	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc dc)	WLAN	8.21	±9.6
10527	AAF	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc)	WLAN	8,36	±9.6
10528	AAF	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc dc)	WLAN	8.36	±9.6
10529	AAF	IEEE 802.11ac WiFI (20 MHz, MCS4, 99pc dc)	WLAN	8.43	±9.6
10531	AAF	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc dc)	WLAN	8.29	±9.6
10532	AAE	IEEE 802.11ac Wil (20 MHz, MCS8, 99pc dc)	WLAN	8,38	±9.6
10533	AAE	IEEE 802.11ac WiFi (20 MHz, MCSo, 99pc dc)	WLAN	8.45	±9.6
	AAE	IEEE 802.11 ac WiFi (40 MHz, MCS0, 99pc dc)	WLAN	8.45	±9.6
10535		I IFFF 802 11ac WiFi (40 MHz MCS2 900c do)	WI ANI	1 849	
10535 10536	AAF	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc dc)	WLAN	8.32	±9.6
10535		IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc dc) IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc) IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc dc)	WLAN WLAN WLAN	8.32 8.44 8.54	±9.6 ±9.6

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10541	AAA	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc dc)	WLAN	8.46	±9.6
10542	AAA	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc dc)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc dc)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc dc)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc dc)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WIFI (80 MHz, MCS3, 99pc dc)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 99pc dc)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11 ac WiFi (80 MHz, MCS6, 99pc dc)	WLAN	8.38	±9.6
10551	AAC	IEEE 802,11ac WiFi (80 MHz, MCS7, 99pc dc)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc dc)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc dc)	WLAN	8.45	±9.6
10554	AAC	IEEE 802.11ac WiFI (160 MHz, MCS0, 99pc dc)	WLAN	8.48	±9.6
10555	AAC	IEEE 802.11ac WiFI (160 MHz, MCS1, 99pc dc)	WLAN	8.47	±9,6
10556	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc dc)	WLAN	8.50	±9.6
10557	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc dc)	WLAN	8.52	±9.6
10558	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc dc)	WLAN	8.61	±9.6
10560	AAC	IEEE 802.11ac WiFI (160 MHz, MCS6, 99pc dc)	WLAN	8.73	±9.6
10561	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc dc)	WLAN	8.56	±9.6
10562	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc dc)	WLAN	8.69	±9.6
10563	AAC	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc dc)	WLAN	8.77	±9.6
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	±9.6
10565	AAC	IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	±9.6
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	±9.6
10567	AAC	IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	±9.6
10568	AAC	IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	±9.6
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	±9.6
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	±9.6
10571	AAC	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	±9.6
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	±9.6
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	±9.6
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	±9.6
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6
10581	AAD	IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6
10588	AAA	IEEE 802.11a/h WiFI 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6
10589	AAA	IEEE 802.11a/h WiFI 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6
10590 10591	AAA AAA	IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6
10591	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc dc)	WLAN	8.63	±9.6
10592	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc dc)		8.79	±9.6
10593	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc dc)	WLAN	8.64	±9.6
10594	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc dc) IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6
10595	AAA	IEEE 802.111 (HT Mixed, 20 MHz, MCS4, 90pc dc)	WLAN M/LAN	8.74	±9.6
10596	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc dc)	WLAN WLAN	8.71	±9.6
10598	AAA	IEEE 802.1111 (HT Mixed, 20 MHz, MCS6, 90pc dc)	WLAN WLAN	8.72	±9.6
	AAA	IEEE 802.1111 (HT Mixed, 20 MHz, MCS7, 90pc dc)	WLAN	8.50 8.79	±9.6
10500		IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc dc)	WLAN	8.79	±9.6
10599	ΙΔΔΔ			8.88	±9.6
10600		LIEFE 802 11n (HT Miyed 40 Midz MCS2 0000 do)			± 9.6
10600 10601	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc dc)	WLAN		
10600 10601 10602	AAA AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc)	WLAN	8.94	±9.6
10600 10601 10602 10603	AAA AAA AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc)	WLAN WLAN	8.94 9.03	±9.6 ±9.6
10600 10601 10602 10603 10604	AAA AAA AAA AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc)	WLAN WLAN WLAN	8.94 9.03 8.76	±9.6 ±9.6 ±9.6
10600 10601 10602 10603 10604 10605	AAA AAA AAA AAA AAA AAA AAA AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc dc)	WLAN WLAN WLAN WLAN	8.94 9.03 8.76 8.97	±9.6 ±9.6 ±9.6 ±9.6
10600 10601 10602 10603 10604	AAA AAA AAA AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc) IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc)	WLAN WLAN WLAN	8.94 9.03 8.76	±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc dc)	WLAN	8.78	±9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc dc)	WLAN	8.94	±9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc dc)	WLAN	8.59	±9.6
	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
1	AAC	IEEE 802.11ac WIFI (40 MHz, MCS0, 90pc dc)	WLAN	8.82	±9.6
	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc dc)	WLAN	8.81	±9.6
	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc dc)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11ac WIFI (40 MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc dc)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc dc)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WIFI (40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc dc)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc dc)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 90pc dc)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WIFI (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc dc)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc dc)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6
10636	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10637	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6
10638	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc dc)	WLAN	8.86	±9.6
10639	AAC	IEEE 802.11ac WiFI (160 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10640	AAC	IEEE 802.11ac WIFi (160 MHz, MCS4, 90pc dc)	WLAN	8.98	±9.6
10641	AAC	IEEE 802.11ac WiFI (160 MHz, MCS5, 90pc dc)	WLAN	9.06	±9.6
10642	AAC	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc dc)	WLAN	9.06	±9.6
10643	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc dc)	WLAN	8.89	±9.6
10644	AAC	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc dc)	WLAN	9.05	±9.6
10645	AAC	IEEE 802.11ac WIFI (160 MHz, MCS9, 90pc dc)	WLAN	9.11	±9.6
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	±9.6
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	±9.6
	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
	AAC	Pulse Waveform (200 Hz, 10%)	Test	10.00	±9.6
	AAC	Pulse Waveform (200 Hz, 20%)	Test	6.99	±9.6
	AAC	Pulse Waveform (200 Hz, 40%)	Test	3.98	±9.6
L	AAC	Pulse Waveform (200 Hz, 60%)	Test	2.22	±9.6
	AAC	Pulse Waveform (200 Hz, 80%)	Test	0.97	±9.6
	AAC	Bluetooth Low Energy	Bluetooth	2.19	±9.6
	AAD	IEEE 802.11ax (20 MHz, MCS0, 90pc dc)	WLAN	9.09	±9.6
	AAD	IEEE 802.11ax (20 MHz, MCS1, 90pc dc)	WLAN	8.57	±9.6
	AAD	IEEE 802.11ax (20 MHz, MCS2, 90pc dc)	WLAN	8.78	±9.6
	AAD	IEEE 802.11ax (20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
·	AAD	IEEE 802.11ax (20 MHz, MCS4, 90pc dc)	WLAN	8.90	±9.6
	AAD	IEEE 802.11ax (20 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
J	AAD	IEEE 802.11ax (20 MHz, MCS6, 90pc dc)	WLAN	8.73	±9.6
L	AAD	IEEE 802.11ax (20 MHz, MCS7, 90pc dc)	WLAN	8.78	±9.6
	AAD	IEEE 802.11ax (20 MHz, MCS8, 90pc dc)	WLAN	8.89	±9.6
	AAD	IEEE 802.11ax (20 MHz, MCS9, 90pc dc)	WLAN	8.80	±9.6
L	AAG	IEEE 802.11ax (20 MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6
······································	AAF	IEEE 802.11ax (20 MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6
· · ·	AAA	IEEE 802.11ax (20 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc dc)	WLAN	8.26	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc dc)	WLAN	8.28	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10687	AAE	IEEE 802.11ax (20 MHz, MCS4, 99pc dc)	WLAN	8.45	±9,6
10688	AAE	IEEE 802.11ax (20 MHz, MCS5, 99pc dc)	WLAN	8.29	±9.6
10689	AAD	IEEE 802.11ax (20 MHz, MCS6, 99pc dc)	WLAN	8.55	±9.6
10690	AAE	IEEE 802.11ax (20 MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6
10691	AAB	IEEE 802.11ax (20 MHz, MCS8, 99pc dc)	WLAN	8.25	±9.6
10692	AAA	IEEE 802.11ax (20 MHz, MCS9, 99pc dc)	WLAN	8.29	±9.6
10693	AAA	IEEE 802.11ax (20 MHz, MCS10, 99pc dc)	WLAN	8.25	±9.6
10694	AAA	IEEE 802.11ax (20 MHz, MCS11, 99pc dc)	WLAN	8.57	±9.6
10695	AAA	IEEE 802.11ax (40 MHz, MCS0, 90pc dc)	WLAN	8.78	±9.6
10696	AAA	IEEE 802.11ax (40 MHz, MCS1, 90pc dc)	WLAN	8.91	±9.6
10697	AAA	IEEE 802.11ax (40 MHz, MCS2, 90pc dc)	WLAN	8.61	±9.6
10698	AAA	IEEE 802.11ax (40 MHz, MCS3, 90pc dc)	WLAN	8.89	±9,6
10699	AAA	IEEE 802.11ax (40 MHz, MCS4, 90pc dc)	WLAN	8.82	±9.6
10700	AAA	IEEE 802.11ax (40 MHz, MCS5, 90pc dc)	WLAN	8.73	±9,6
10701	AAA	IEEE 802.11ax (40 MHz, MCS6, 90pc dc)	WLAN	8.86	±9.6
10702	AAA	IEEE 802.11ax (40 MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6
10703	AAA	IEEE 802.11ax (40 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10704	AAA	IEEE 802.11ax (40 MHz, MCS9, 90pc dc)	WLAN	8.56	±9.6
10705	AAA	IEEE 802.11ax (40 MHz, MCS10, 90pc dc)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc dc)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc dc)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc dc)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc dc)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc dc)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc dc)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc dc)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc dc)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc dc)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc dc)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc dc)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc dc)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc dc)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc dc)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc dc)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc dc)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc dc)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc dc)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc dc)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc dc)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc dc)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc dc)	WLAN	8,46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc dc)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc dc)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc dc)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc dc)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc dc)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc dc)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc dc)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc dc)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc dc)	WLAN	8,90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc dc)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc dc)	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 dc)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc dc)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc dc)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc dc)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc dc)	WLAN	8.51	±9.6
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAC	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	AAC	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	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QP3K, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAE	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42 8.43	
10020	ANE	00 mm (01-01 bin, 100 /0 mb, 30 innz, 01 30, 30 kmz)		0.43	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903 10904		5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903 10904 10905	AAD				
10903 10904 10905 10906	AAD AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903 10904 10905 10906 10907	AAD AAD AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)		5.68 5.78	±9.6 ±9.6
10903 10904 10905 10906 10907 10908	AAD AAD AAD AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD	5.78 5.93	
10903 10904 10905 10906 10907	AAD AAD AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.78	±9.6

10911 AAD 5G NR (PFE-OFDM, 50% RB, 25MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.84 2 10912 AAD 5G NR (PFE-OFDM, 50% RB, 30 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.84 4 10914 AAD 5G NR (PFE-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.84 4 10914 AAD 5G NR (PFE-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.88 4 10917 AAD 5G NR (PFE-OFDM, 50% RB, 50 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.87 4 10919 AAD 5G NR (PFE-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.86 2 10920 AAD 5G NR (PFE-OFDM, 100% RB, 50 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.86 2 10921 AAD 5G NR (PFE-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.86 2 10922 AAD 5G NR (PFE-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.84 4 10922 AAD 5G NR (PFE-OFDM, 100% RB, 20 MHz, QPSK, 30 Hz) 5G NR (PFH TDD 5.84 4 10922 AAD <th>$c^{E} k = 2$</th>	$c^{E} k = 2$
19912 AAD 6G NR (DFT=OFDM, 50% RB, 30MHz, QPSK, 30 KHz) 5G NR (FRT TDD 5.84 2 19913 AAD 5G NR (DFT=OFDM, 50% RB, 30MHz, QPSK, 30 KHz) 5G NR (FRT TDD 5.84 2 19914 AAD 5G NR (DFT=OFDM, 50% RB, 50MHz, QPSK, 30 KHz) 5G NR (FRT TDD 5.85 2 19915 AAD 5G NR (DFT=OFDM, 50% RB, 50MHz, QPSK, 30 KHz) 5G NR (FRT TDD 5.87 2 19915 AAD 5G NR (DFT=OFDM, 50% RB, 50MHz, QPSK, 30 KHz) 5G NR (FRT TDD 5.86 4 19915 AAD 5G NR (DFT=OFDM, 100% RB, 50MHz, QPSK, 30 KHz) 5G NR FRT TDD 5.86 4 19921 AAD 5G NR (DFT=OFDM, 100% RB, 15MHz, QPSK, 30 KHz) 5G NR FRT TDD 5.86 4 19822 AAD 5G NR (DFT=OFDM, 100% RB, 20 MHz, QPSK, 30 KHz) 5G NR FRT TDD 5.84 4 19824 AAD 5G NR (DFT=OFDM, 100% RB, 20 MHz, QPSK, 30 KHz) 5G NR (FRT TDD 5.84 4 19824 AAD 5G NR (DFT=OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR (FRT TDD 5.84 4 19824 AAD </td <td>± 9.6</td>	± 9.6
1991 AAD 5G NR (PET=OFDM, 50%, RB, 40MHz, QPSK, 30 Hz) 5G NR (PET IDD 5.84 19914 AAD 5G NR (PET=OFDM, 50%, RB, 60MHz, QPSK, 30 Hz) 5G NR (PET IDD 5.85 19915 AAD 5G NR (PET=OFDM, 50%, RB, 60MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.87 19915 AAD 5G NR (PET=OFDM, 50%, RB, 100MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.84 4 19919 AAD 5G NR (PET=OFDM, 100%, RB, 10MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.86 4 19919 AAD 5G NR (PET=OFDM, 100%, RB, 10MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.86 4 19922 AAD 5G NR (PET=OFDM, 100%, RB, 10MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.84 4 19824 AAD 5G NR (PET=OFDM, 100%, RB, 20 MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.84 4 19824 AAD 5G NR (PET=OFDM, 100%, RB, 50 MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.84 4 19824 AAD 5G NR (PET=OFDM, 100%, RB, 50 MHz, QPSK, 30 Hz) 5G NR (PET=TDD 5.84 4 19824 AAD 5G NR (PET=OFDM, 106%, RB, 60 MHz, QP	±9.6
10915 AD 5G NR [DFT=-0FDM, 50%; RB, 80MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.85 1 10915 AAD 5G NR (DFT=-0FDM, 50%; RB, 80MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.87 1 10916 AAD 5G NR (DFT=-0FDM, 50%; RB, 80MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.87 1 10917 AAD 5G NR (DFT=-0FDM, 100%; RB, 10MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.86 1 10918 AAD 5G NR (DFT=-0FDM, 100%; RB, 15MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.86 1 10920 AAD 5G NR (DFT=-0FDM, 100%; RB, 15MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.86 1 10921 AAD 5G NR (DFT=-0FDM, 100%; RB, 20MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.84 1 10922 AAD 5G NR (DFT=-0FDM, 100%; RB, 20MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.84 1 10922 AAD 5G NR (DFT=-0FDM, 100%; RB, 50 MH-2; OFSK, 30 Hr2; 5G NR FRI TDD 5.84 1 10922 AAD 5G NR (DFT=-0FDM, 100%; RB, 50 MH-2; OFSK, 50 Hr2; 5G NR FRI TDD 5.84 1 10924	±9.6
16915 AAD SG NR (DFT=0-OFDM, 50% RB, 80MHz, QPSK, 30 HHz) SG NR FR1 TDD 5.83 1 10916 AAD SG NR (DFT=0-OFDM, 50% RB, 80MHz, QPSK, 30 HHz) SG NR FR1 TDD 5.84 + 10917 AAD SG NR (DFT=0-OFDM, 50% RB, 100 HHz, QPSK, 30 HHz) SG NR FR1 TDD 5.84 + 10918 AAD SG NR (DFT=0-OFDM, 100% RB, 101 HHz, QPSK, 30 HHz) SG NR FR1 TDD 5.86 + 10921 AAD SG NR (DFT=0-OFDM, 100% RB, 101 HHz, QPSK, 30 HHz) SG NR FR1 TDD 5.86 + 10921 AAD SG NR (DFT=0-OFDM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR1 TDD 5.84 + 10922 AAD SG NR (DFT=0-OFDM, 100% RB, 20 HHz, QPSK, 30 HHz) SG NR FR1 TDD 5.84 + 10922 AAD SG NR (DFT=0-OFDM, 100% RB, 80 HHz, QPSK, 30 HHz) SG NR FR1 TDD 5.84 + 10924 AAD SG NR (DFT=0-OFDM, 100% RB, 80 HHz, QPSK, 30 HHz) SG NR FR1 TDD 5.84 + 10924 AAD SG NR (DFT=0-OFDM, 100% RB, 80 HHz, QPSK, 15 HHz) SG NR FR1 TDD 5.84 + 10924 AAD SG NR (DFT=0-OFDM, 108, 80 Hz, QPSK, 15 HHz) SG NR FR1 FDD <td>±9.6</td>	±9.6
10916 AAD SG NR (DFTs-OFDM, 50% RB, 80MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.87 ± 10917 AAD SG NR (DFTs-OFDM, 50% RB, 10MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.88 ± 10918 AAD SG NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.88 ± 10920 AAD SG NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.87 ± 10921 AAD SG NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.84 ± 10922 AAD SG NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.84 ± 10922 AAD SG NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.84 ± 10922 AAD SG NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz) SG NR PR1 TDD 5.84 ± 10924 AAD SG NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) SG NR PR1 TDD 5.84 ± 10928 AAD SG NR (DFTs-OFDM, 1RB, 10MHz, QPSK, 15 KHz) SG NR PR1 TDD 5.52 ± ± 10928<	±9.6
10917 AAD SG NR (DFT-OFDM, 100% RB, 100H±, QPSK, 30 M±) SG NR FR1 TDD 5.94 ± 10918 AAD SG NR (DFT-OFDM, 100% RB, 10H±, QPSK, 30 M±) SG NR FR1 TDD 5.86 ± 10919 AAD SG NR (DFT-OFDM, 100% RB, 10H±, QPSK, 30 K±) SG NR FR1 TDD 5.86 ± 10921 AAD SG NR (DFT-OFDM, 100% RB, 20H±, QPSK, 30 K±) SG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT-OFDM, 100% RB, 20H±, QPSK, 30 K±) SG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT-OFDM, 100% RB, 20H±, QPSK, 30 K±) SG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT-OFDM, 100% RB, 80 M±, QPSK, 30 K±) SG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT-OFDM, 100% RB, 80 M±, QPSK, 30 K±) SG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT-OFDM, 108, RB, 80 M±, QPSK, 30 K±2) SG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT-OFDM, 1RB, 50 M±, QPSK, 15 K±2) SG NR FR1 TDD 5.84 ± 10924 AAD SG NR	±9.6
10918 AAD SG NR (DFT=-OFDM, 100% RB, 5MHz, QPSK, 30 KHz) SG NR FR1 TDD 5.86 ± 10919 AAD SG NR (DFT=-OFDM, 100% RB, 15 MHz, QPSK, 30 KHz) SG NR FR1 TDD 5.87 ± 10920 AAD SG NR (DFT=-OFDM, 100% RB, 15 MHz, QPSK, 30 KHz) SG NR FR1 TDD 5.87 ± 10921 AAD SG NR (DFT=-OFDM, 100% RB, 25 MHz, QPSK, 30 KHz) SG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT=-OFDM, 100% RB, 26 MHz, QPSK, 30 KHz) SG NR FR1 TDD 5.84 ± 10924 AAD SG NR (DFT=-OFDM, 100% RB, 60 MHz, QPSK, 30 KHz) SG NR FR1 TDD 5.84 ± 10926 AAD SG NR (DFT=-OFDM, 100% RB, 60 MHz, QPSK, 30 KHz) SG NR FR1 TDD 5.94 ± 10927 AAD SG NR (DFT=-OFDM, 100% RB, 80 MHz, QPSK, 15 KHz) SG NR FR1 TDD 5.52 ± ± 10928 AAD SG NR (DFT=-OFDM, 1RB, 80 MHz, QPSK, 15 KHz) SG NR FR1 FDD 5.52 ± ± ± ± ± ± ± ± ± ± ± ± ±	±9.6
10191 AAD 5G NR (DFT=-0FDM, 100% RB, 15MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.86 ± 10220 AAD 5G NR (DFT=-0FDM, 100% RB, 25MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.87 ± 10221 AAD 5G NR (DFT=-0FDM, 100% RB, 20MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.82 ± 10222 AAD 5G NR (DFT=-0FDM, 100% RB, 20MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 10223 AAD 5G NR (DFT=-0FDM, 100% RB, 30MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.84 ± 10226 AAD 5G NR (DFT=-0FDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.95 ± 10227 AAD 5G NR (DFT=-0FDM, 18B, 5MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 10228 AAD 5G NR (DFT=-0FDM, 17B, 5MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 10228 AAD 5G NR (DFT=-0FDM, 17B, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 10328 AAB 5G NR (DFT=-0FDM, 17B, 20MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10324 AAB	±9.6
10920 AAD GG NR (DFT=O-DDM, 100%, RB, 15 MHz, QPSK, 30 KHz) GG NR FR1 TDD 5.87 ± 10921 AAD GG NR (DFT=O-DDM, 100%, RB, 20 MHz, QPSK, 30 KHz) GG NR FR1 TDD 5.84 ± 10922 AAD GG NR (DFT=O-DDM, 100%, RB, 20 MHz, QPSK, 30 KHz) GG NR FR1 TDD 5.84 ± 10924 AAD GG NR (DFT=O-DDM, 100%, RB, 30 MHz, QPSK, 30 KHz) GG NR FR1 TDD 5.84 ± 10926 AAD GG NR (DFT=O-DDM, 100%, RB, 60 MHz, QPSK, 30 KHz) GG NR FR1 TDD 5.84 ± 10927 AAD GG NR (DFT=O-DDM, 100%, RB, 60 MHz, QPSK, 13 KHz) GG NR FR1 TDD 5.84 ± 10928 AAD GG NR (DFT=O-ODM, 1RB, 10 MHz, QPSK, 15 KHz) GG NR FR1 FDD 5.52 ± 10929 AAD GG NR (DFT=O-ODM, 1 RB, 10 MHz, QPSK, 15 KHz) GG NR FR1 FDD 5.52 ± 10930 AAD GG NR (DFT=ODM, 1 RB, 20 MHz, QPSK, 15 KHz) GG NR FR1 FDD 5.51 ± 10933 AAA SG NR (DFT=ODM, 1 RB, 20 MHz, QPSK, 15 KHz) GG NR FR1 FDD 5.51 ± 10934 A	±9.6
10921 AAD GG NR (DFT=-OFDM, 100%, RB, 25MHz, QPSK, 30 kHz) GG NR FR1 TDD 5.84 ± 10922 AAD SG NR (DFT=-OFDM, 100%, RB, 20MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 10923 AAD SG NR (DFT=-OFDM, 100%, RB, 30 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 10924 AAD SG NR (DFT=-OFDM, 100%, RB, 30 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 10926 AAD SG NR (DFT=-OFDM, 100%, RB, 30 MHz, QPSK, 30 kHz) SG NR FR1 TDD 5.84 ± 10926 AAD SG NR (DFT=-OFDM, 18, BS, MHz, QPSK, 30 kHz) SG NR FR1 FDD 5.52 ± 10928 AAD SG NR (DFT=-OFDM, 18, BS, MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.52 ± 10939 AAD SG NR (DFT=-OFDM, 18, B, 20MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 10931 AAD SG NR (DFT=-OFDM, 18, B, 20MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 10932 AAA SG NR (DFT=-OFDM, 18, B, 20MHz, QPSK, 15 kHz) SG NR FR1 FDD 5.51 ± 10933 AAA<	±9.6
10922 AAD GG NR (DFT=-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) GG NR FR1 TDD 5.82 ± 10924 AAD GG NR (DFT=-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) GG NR FR1 TDD 5.84 ± 10924 AAD GG NR (DFT=-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) GG NR FR1 TDD 5.94 ± 10926 AAD GG NR (DFT=-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) GG NR FR1 TDD 5.94 ± 10927 AAD GG NR (DFT=-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) GG NR FR1 TDD 5.52 ± 10928 AAD GG NR (DFT=-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) GG NR FR1 FDD 5.52 ± 10929 AAD GG NR (DFT=-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) GG NR FR1 FDD 5.52 ± 10930 AAD GG NR (DFT=-OFDM, 1RB, 10 MHz, QPSK, 15 kHz) GG NR FR1 FDD 5.51 ± 10933 AAA GG NR (DFT=-OFDM, 1RB, 20 MHz, QPSK, 15 kHz) GG NR FR1 FDD 5.51 ± 10934 AAD GG NR (DFT=-OFDM, 1RB, 20 MHz, QPSK, 15 kHz) GG NR FR1 FDD 5.51 ± 10934 AAB	±9.6
10923 AAD 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.84 ± 10925 AAD 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.84 ± 10925 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.84 ± 10926 AAD 5G NR (DFTs-OFDM, 100% RB, 80 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 5.84 ± 10927 AAD 5G NR (DFTs-OFDM, 1RB, 5MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.52 ± 10928 AAD 5G NR (DFTs-OFDM, 1 RB, 15MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.52 ± 10929 AAD 5G NR (DFTs-OFDM, 1 RB, 15MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10930 AAD 5G NR (DFTs-OFDM, 1 RB, 20MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10933 AAA 5G NR (DFTs-OFDM, 1 RB, 30MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10934 AAA 5G NR (DFTs-OFDM, 1 RB, 30MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10934 AAB	±9.6
10924 AAD 5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FRT TDD 5.84 10926 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FRT TDD 5.84 10927 AAD 5G NR (DFTs-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FRT TDD 5.84 10928 AAD 5G NR (DFTs-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FRT TDD 5.82 10929 AAD 5G NR (DFTs-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FRT FDD 5.52 10939 AAD 5G NR (DFTs-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FRT FDD 5.52 10931 AAD 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FRT FDD 5.51 10932 AAB 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FRT FDD 5.51 10933 AAA 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FRT FDD 5.51 10934 AAA 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FRT FDD 5.51 10935 AAA 5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FRT FDD 5.51 10936 AAC	±9.6
1025 AD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.95 ± 10267 AAD 5G NR (DFTs-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI TDD 5.84 ± 10277 AAD 5G NR (DFTs-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FRI FDD 5.52 ± 10282 AAD 5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.52 ± 10303 AAD 5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.52 ± 10331 AAD 5G NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10332 AAA 5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10334 AAA 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10335 AAA 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10336 AAC 5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10335 AAB	±9.6
10926 AAD 5G NR FRI TDD 5.84 ± 10927 AAD 5G NR (DFT=o-OFDM, 100% RB, 80 MHz, QPSK, 30 KHz) 5G NR FRI TDD 5.94 ± 10928 AAD 5G NR (DFT=o-OFDM, 1 RB, 5MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.52 ± 10930 AAD 5G NR (DFT=o-OFDM, 1 RB, 20MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.52 ± 10931 AAD 5G NR (DFT=o-OFDM, 1 RB, 20MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10933 AAA 5G NR (DFT=o-OFDM, 1 RB, 20MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10935 AAA 5G NR (DFT=o-OFDM, 1RB, 20MHz, QPSK, 15 kHz) 5G NR FRI FDD 5.51 ± 10935 AAA 5G NR (DFT=o-OFDM, 50% RB, 10MHz, QPSK, 15 kHz)	±9.6
10927 AAD 5G NR (DFT=-OFDM, 100% RB, 80 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.94 ± 10928 AAD 5G NR (DFT=-OFDM, 1 RB, 15 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.52 ± 10929 AAD 5G NR (DFT=-OFDM, 1 RB, 15 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.52 ± 10930 AAD 5G NR (DFT=-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10931 AAD 5G NR (DFT=-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10932 AAA 5G NR (DFT=-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10933 AAA 5G NR (DFT=-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10934 AAA 5G NR (DFT=-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10935 AAA 5G NR (DFT=-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10936 AAC 5G NR (DFT=-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ± 10937 AAB	±9.6
10928 AAD 5G NR (DFT=-OFDM, 1 RB, 5MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 10929 AAD 5G NR (DFT=-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 10930 AAD 5G NR (DFT=-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 10931 AAD 5G NR (DFT=-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10932 AAB 5G NR (DFT=-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10934 AAA 5G NR (DFT=-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10935 AAA 5G NR (DFT=-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10936 AAC 5G NR (DFT=-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFT=-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10939 AAB 5G NR (DFT=-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ± 10940 AAB	±9.6
10929 AAD 5G NR RI FID 5.52 ± 10930 AAD 5G NR (DFT-s-CPDM, 1 RB, 15MHz, QPSK, 15 KHz) 5G NR FRI FDD 5.52 ± 10931 AAD 5G NR (DFT-s-CPDM, 1 RB, 20MHz, QPSK, 15 KHz) 5G NR FRI FDD 5.51 ± 10932 AAA 5G NR (DFT-s-CPDM, 1 RB, 30MHz, QPSK, 15 KHz) 5G NR FRI FDD 5.51 ± 10934 AAA 5G NR (DFT-s-CPDM, 1 RB, 30MHz, QPSK, 15 KHz) 5G NR FRI FDD 5.51 ± 10935 AAA 5G NR (DFT-s-CPDM, 50% RB, 10MHz, QPSK, 15 KHz) 5G NR FRI FDD 5.51 ± 10937 AAB 5G NR (DFT-s-CPDM, 50% RB, 10MHz, QPSK, 15 KHz) 5G NR FRI FDD 5.90 ± 10937 AAB 5G NR (DFT-s-CPDM, 50% RB, 10MHz, QPSK, 15 KHz)	±9.6
10930 AAD 5G NR (DFTs-OFDM, 1 RB, 15MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.52 ± 10931 AAD 5G NR (DFTs-OFDM, 1 RB, 20MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10932 AAA 5G NR (DFTs-OFDM, 1 RB, 20MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10933 AAA 5G NR (DFTs-OFDM, 1 RB, 40MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10934 AAA 5G NR (DFTs-OFDM, 1 RB, 50MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10935 AAA 5G NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10938 AAB 5G NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ± 10940 AAB 5G NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 ± 10941 AAB 5G NR (DFTs-OFDM, 50% RB, 20MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± <td>±9.6</td>	±9.6
10931 AAD 5G NR (DFT=o-OFDM, 1 RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10932 AAA 5G NR (DFT=o-OFDM, 1 RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10933 AAA 5G NR (DFT=o-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10934 AAA 5G NR (DFT=o-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10935 AAA 5G NR (DFT=o-OFDM, 50% RB, 5MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10936 AAC 5G NR (DFT=o-OFDM, 50% RB, 10 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFT=o-OFDM, 50% RB, 10 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10938 AAB 5G NR (DFT=o-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.80 ± 10940 AAB 5G NR (DFT=o-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ± 10941 AAB 5G NR (DFT=o-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ± 10944 AAB 5G NR (DFT=o-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.	±9.6
10932 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10934 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10935 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10936 AAC 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10938 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.82 ± 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.88 ± 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.88 ± 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.	±9.6
10933 AAA 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10934 AAA 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10935 AAA 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.51 ± 10936 AAC 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.90 ± 10938 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.82 ± 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ± 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ± 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ± 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD 5.83 ± 10941 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 FDD <	±9.6
10934 AAA 5G NR (DFTs-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10935 AAA 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10936 AAC 5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ± 10938 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10940 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10941 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10941 AAB 5G NR (DFTs-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10942 AAB 5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83<	±9.6
10935 AAA 5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.51 ± 10936 AAC 5G NR (DFTs-OFDM, 50% RB, 5MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10938 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10940 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10941 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10942 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10943 AAB 5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83	±9.6
10936 AAC 5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10937 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ± 10938 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10943 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.84 ± 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.84 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD	±9.6
10937 AAB 5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.77 ± 10938 AAB 5G NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.80 ± 10939 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10940 AAB 5G NR (DFTs-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10941 AAB 5G NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10942 AAB 5G NR (DFTs-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10943 AAB 5G NR (DFTs-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFTs-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.86 ± 10945 AAE 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10946 AAC 5G NR (DFTs-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10947 AAB 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD <td< td=""><td>±9.6</td></td<>	±9.6
10938 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.90 ± 10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10943 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10947 <td>±9.6</td>	±9.6
10939 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.82 ± 10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 ± 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10949 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD </td <td>±9,6</td>	±9,6
10940 AAB 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.89 ± 10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10950 </td <td>±9.6</td>	±9.6
10941 AAB 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10951 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD	±9.6
10942 AAB 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10951 AAB 5G NR DL (CF-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FD	±9.6
10943 AAB 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.95 ± 10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.92 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD	±9.6
10944 AAB 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.81 ± 10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 F	±9.6
10945 AAB 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.85 ± 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.83 ± 10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10951 AAB 5G NR DL (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR	±9.6
10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.44 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR F	±9.6
10947 AAB 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10948 AAB 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10952 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 8.25 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR F	±9.6
10949 AAB 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.87 ± 10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 10957 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± <td< td=""><td>±9.6</td></td<>	±9.6
10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10957 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10958 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 10959 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 10959 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G N	±9.6
10950 AAB 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.94 ± 10951 AAB 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 FDD 5.92 ± 10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10957 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10958 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 10959 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 10959 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G N	±9.6
10952 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 ± 10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10957 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 10958 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 10959 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.33 ± 10960 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±	±9,6
10953 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 ± 10954 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 ± 10955 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.42 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 ± 10956 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.14 ± 10957 AAC 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 ± 10957 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 10958 AAB 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 ± 10959 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 8.33 ± 10960 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.32 ±	±9.6
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	±9.6
	±9.6
	±9.6
	±9.6
10982 AAA ULLA HDRp8 ULLA 1.44 ±	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9,6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6

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

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





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Accreditation No.: SCS 0108

Client	Element Morgan Hill, USA	Certificate No.	EX-74:
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EX-7421_Mar23

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:7421	
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	March 16, 2023	1/2023
	ocuments the traceability to national standards, which realize the physical units of measurements (SI). uncertainties with confidence probability are given on the following pages and are part of the certificate.	
All calibrations have been co	onducted in the closed laboratory facility: environment temperature (22 \pm 3) $^{\circ}$ C and humidity < 70%.	

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
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)	04-Apr-22 (No. 217-03527)	Apr-23
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

FOWER SENSOR C4412A	311, 101141490007	00-Apr-10 (In house check Jun-22)	IT HOUSE CHECK, JUH-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 Technicia	n et la
Approved by	Sven Kühn	Technical Manager	S. EF
This calibration certificate s	hall not be reproduced except ir	n full without written approval of	Issued: March 20, 2023 the laboratory.

Calibration Laboratory of

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





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Service suisse d'étalonnage

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Swiss Calibration Service

Accreditation No.: SCS 0108

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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 φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z*: Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ 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 E²-field uncertainty inside TSL (see below *ConvF*).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \le 800$ 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 ± 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 (<i>k</i> = 2)
Norm $(\mu V/(V/m)^2)^A$	0.57	0.27	0.57	±10.1%
DCP (mV) ^B	100.3	92.9	99.6	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	B	С	D	VR	Max	Max
			dB	dBõV		dB	mV	dev.	Unc ^E
									<i>k</i> = 2
0	CW	X	0.00	0.00	1.00	0.00	148.6	±3.3%	±4.7%
		Y	0.00	0.00	1.00		147.8		
		Z	0.00	0.00	1.00		148.3		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	88.82	18.88	10.00	60.0	±2.9%	±9.6%
		Y	20.00	89.62	19.29		60.0		
		Z	20.00	88.63	18.96		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	90.05	18.31	6.99	80.0	±1.7%	±9.6%
		Ŷ	20.00	92.04	19.15		80.0	1	
		Z	20.00	89.99	18.47		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	92.54	18.12	3.98	95.0	±1.3%	±9.6%
		Y	20.00	95.89	19.41	1	95.0		
		Z	20.00	92.00	18.04]	95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	93.08	17.11	2.22	120.0	±1.2%	±9.6%
		Y	20.00	95.66	17.87		120.0	1	
		Z	20.00	91.73	16.63	1	120.0		
10387	QPSK Waveform, 1 MHz	X	1.54	65.64	14.35	1.00	150.0	±2.8%	±9.6%
		Y	1.67	65.45	14.73		150.0	1	
		Z	1.51	65.37	14.11	1	150.0		
10388	QPSK Waveform, 10 MHz	X	2.07	67.11	15.17	0.00	150.0	±0.8%	±9.6%
		Y	2.23	67.62	15.48		150.0]	
		Z	2.04	66.90	15.00		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.76	69.69	18.33	3.01	150.0	±0.7%	±9.6%
		Y	2.60	68.25	17.80		150.0	1	
		Z	2.74	69.72	18.39]	150.0		
10399	64-QAM Waveform, 40 MHz	X	3.41	66.75	15.53	0.00	150.0	±1.9%	±9.6%
		Y	3.53	66.90	15.71	1	150.0	1	
		Z	3.39	66.66	15.45		150.0	<u> </u>	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.77	65.53	15.45	0.00	150.0	±3.5%	±9.6%
		Y	4.96	65.55	15.59]	150.0		· ·
		Z	4.76	65.50	15.42]	150.0		

Note: For details on UID parameters see Appendix

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

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

^B Linearization parameter uncertainty for maximum specified field strength.

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

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ^{−2}	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
х	40.7	306.82	36.01	10.02	0.00	5.07	1.00	0.27	1.01
У	52.3	406.23	38.03	7.12	0.00	5.08	0.33	0.38	1.01
Z	40.2	303.65	36.12	11.25	0.00	5.09	0.99	0.26	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-119.5°
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) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	41.9	0.89	9.33	9.33	9.33	0.38	1.05	±12.0%
835	41.5	0.90	9.12	9.12	9.12	0.57	0.80	±12.0%
1750	40.1	1.37	7.79	7.79	7.79	0.43	0.86	±12.0%
1900	40.0	1.40	7.43	7.43	7.43	0.42	0.86	±12.0%
2300	39.5	1.67	7.61	7.61	7.61	0.39	0.90	±12.0%
2450	39.2	1.80	7.45	7.45	7.45	0.36	0.90	±12.0%
2600	39.0	1.96	7.20	7.20	7.20	0.34	0.90	±12.0%
5250	35.9	4.71	5.80	5.80	5.80	0.40	1.80	±14.0%
5600	35.5	5.07	5.15	5.15	5.15	0.40	1.80	±14.0%
5750	35.4	5.22	5.17	5.17	5.17	0.40	1.80	±14.0%
5850	35.2	5.32	5.07	5.07	5.07	0.40	1.80	±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 ±110 MHz.

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 ϵ and σ by less than \pm 5% from the target values (typically better than \pm 3%) and are valid for TSL with deviations of up to \pm 10%. If TSL with deviations from the target of less than \pm 5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than $\pm 1\%$ 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.

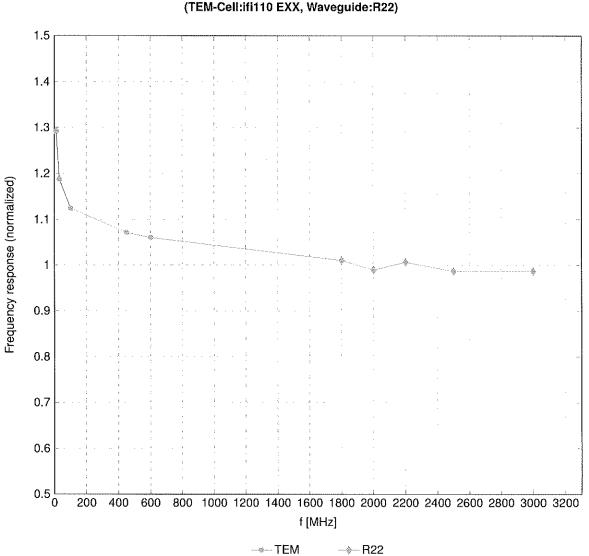
f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	55.5	0.96	9.59	9.59	9.59	0.54	0.85	±12.0%
835	55.2	0.97	9.39	9.39	9.39	0.50	0.80	±12.0%
1750	53.4	1.49	8.01	8.01	8.01	0.37	0.86	±12.0%
1900	53.3	1.52	7.63	7.63	7.63	0.44	0.86	±12.0%
2300	52.9	1.81	7.61	7.61	7.61	0.34	0.90	±12.0%
2450	52.7	1.95	7.42	7.42	7.42	0.41	0.90	±12.0%
2600	52.5	2.16	7.19	7.19	7.19	0.32	0.90	±12.0%
5250	48.9	5.36	4.90	4.90	4.90	0.50	1.80	±14.0%
5600	48.5	5.77	4.30	4.30	4.30	0.50	1.80	±14.0%
5750	48.3	5.94	4.43	4.43	4.43	0.50	1.80	±14.0%
5850	48.1	6.06	4.25	4.25	4.25	0.50	1.80	±14.0%

Calibration Parameter Determined in Body 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 ± 110 MHz. ^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$) and are valid for TSL with deviations of up to $\pm 10\%$. If TSL with deviations from the target of less than $\pm 5\%$ are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

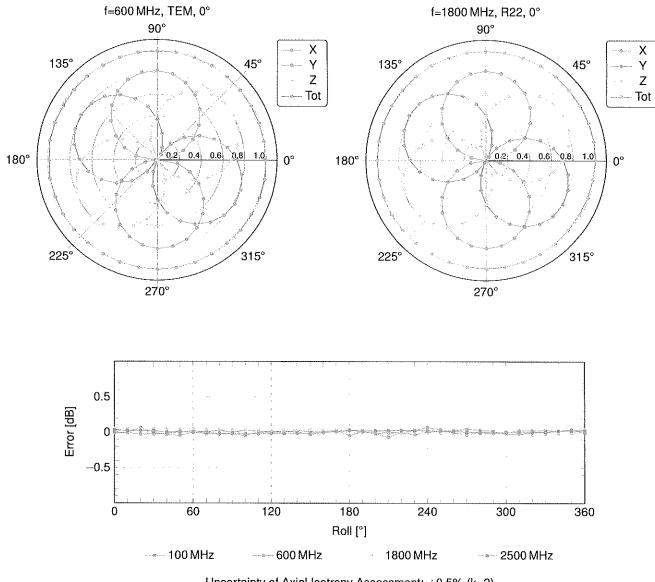
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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



Frequency Response of E-Field

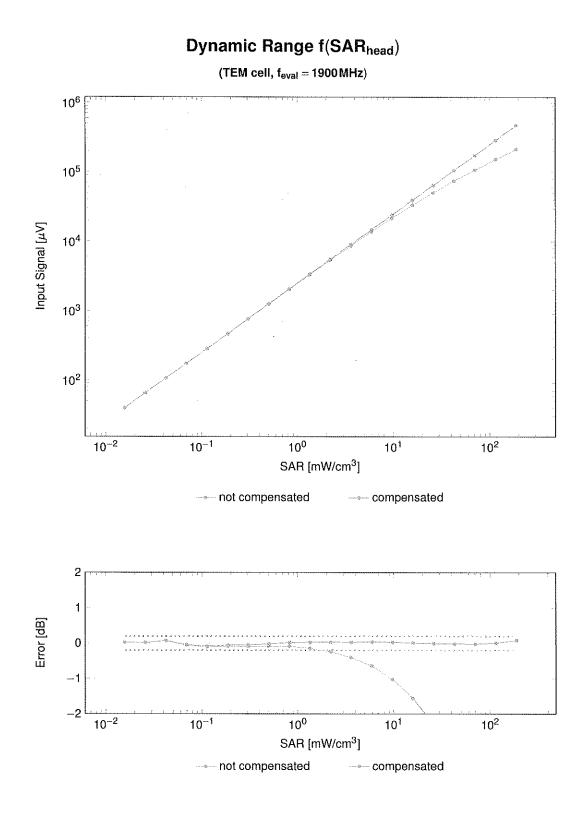
(TEM-Cell:ifi110 EXX, Waveguide:R22)

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

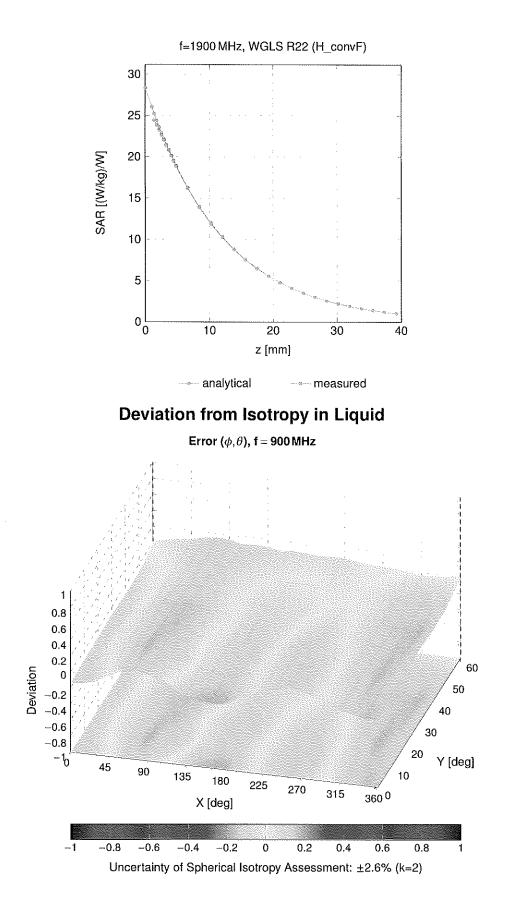


Receiving Pattern (ϕ **),** $\vartheta = 0^{\circ}$

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



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



Conversion Factor Assessment

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM		±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	6.56	
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	12.62	±9.6
10020	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)		9.55	±9.6
10027	DAC		GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029		EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9,6
	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2,12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN		±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)		9.09	<u>+9.6</u>
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	±9.6
			WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	<u>±9.6</u>
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	<u>+9.6</u>
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6,42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 10-SK)	LTE-FDD		±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MRz, 10-QAM)		6.43	±9.6
			LTE-FDD	5.75	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	6.44	± ±

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	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, 15MHz, 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	<u>+9.6</u>
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	<u>+</u> 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		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153 10154	CAH 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 (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 10-QAM) LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	6.43	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)			±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.49 6.62	±9.6
10150	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.56	±9.6 ±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 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, 5MHz, 16-QAM)	LTE-FDD	6,52	<u>+</u> 9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	<u>±9.6</u>
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186 10187	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188 10189	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	LTE-FDD WLAN	6.50	±9.6
10193	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.09	±9.6
	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.12	±9.6 ±9.6
10195	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10195		IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10196			1 11 1 1 1 1 1	1 0.10	
10196 10197	CAD			8 27	+9.6
10196 10197 10198	CAD CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10196 10197 10198 10219	CAD CAD CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN WLAN	8.03	±9.6
10196 10197 10198 10219 10220	CAD CAD CAD CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN WLAN WLAN	8.03 8.13	±9.6 ±9.6
10196 10197 10198 10219 10220 10221	CAD CAD CAD CAD CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN WLAN WLAN WLAN	8.03 8.13 8.27	±9.6 ±9.6 ±9.6
10196 10197 10198 10219 10220	CAD CAD CAD CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN WLAN WLAN	8.03 8.13	±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232 10233	CAH CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, T RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	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	<u>±9.6</u> ±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 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	<u>+9.6</u>
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, 5MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248 10249	CAH CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.81	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6 ±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	<u>+</u> 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 10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	10.16	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	9.92	±9.6 ±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	<u>+</u> 9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292 10293	AAB	CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.39	±9.6
10293	AAB AAB	CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000 CDMA2000	3.50	±9.6
10295	AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	12.49	±9.6 ±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.81	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
10305	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	<u>+</u> 9.6
10306	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^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	<u>±9.6</u>
10316	AAB	IEEE 802.11g WiFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5,10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	<u>+</u> 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 802.11 ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
1 40450					
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz) 64-QAM, 99pc duty cycle)			±9.6 ±9.6
10456 10457	AAC AAB	Validation (Square, 10 ms, 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle) UMTS-FDD (DC-HSDPA)	Test	10.00	
10456 10457 10458	AAC 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	±9.6
10456 10457 10458 10459	AAC 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	±9.6 ±9.6
10456 10457 10458 10459 10460	AAC 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	±9.6 ±9.6 ±9.6
10456 10457 10458 10459 10460 10461	AAC 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	10.00 8.63 6.62 6.55 8.25	$ \pm 9.6 $ $ \pm 9.6 $ $ \pm 9.6 $ $ \pm 9.6 $
10456 10457 10458 10459 10460 10461 10462	AAC AAB AAA AAA AAB AAC AAC	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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 \\ \end{array} $
10456 10457 10458 10459 10460 10461 10462 10463	AAC AAB AAA AAA AAB AAC AAC AAC	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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	10.00 8.63 6.62 6.55 8.25 2.39 7.82	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10456 10457 10458 10459 10460 10461 10462 10463 10464	AAC AAB AAA AAA AAB AAC AAC AAC AAD	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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, 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	10.00 8.63 6.62 6.55 8.25 2.39 7.82 8.30	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10456 10457 10458 10459 10460 10461 10462 10463 10464 10465	AAC AAB AAA AAA AAB AAC AAC AAC AAC AAD AAD	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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, 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, 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 8.32	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10456 10457 10458 10459 10460 10461 10462 10463 10464 10465 10466	AAC AAB AAA AAA AAB AAC AAC AAC AAC AAD AAD	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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, 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, 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, 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)	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	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10456 10457 10458 10459 10460 10461 10462 10463 10464 10465 10466 10467	AAC AAB AAA AAA AAB AAC AAC AAC AAC AAD AAD AAD AAG	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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, 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, 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)	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	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10456 10457 10458 10459 10460 10461 10462 10463 10464 10465 10466 10467 10468	AAC AAB AAA AAA AAB AAC AAC AAC AAC AAD AAD AAD AAG AAG	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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, 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, 04-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, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-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 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	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10456 10457 10458 10459 10460 10461 10462 10463 10464 10465 10466 10467 10468 10469	AAC AAB AAA AAA AAC AAC AAC AAC AAC AAD AAD AAD	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 09SK, 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, 5 MHz, 09SK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 09SK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 09SK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-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 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 8.32 8.32 8.56	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10456 10457 10458 10459 10460 10461 10462 10463 10464 10465 10466 10467 10468	AAC AAB AAA AAA AAB AAC AAC AAC AAC AAD AAD AAD AAG AAG	Validation (Square, 10 ms, 1 ms) IEEE 802.11 ac 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, 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, 04-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, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 04-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 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	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$

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, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 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	<u>+</u> 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	<u>+</u> 9.6
10513 10514	AAG AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520 10521	AAC AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	<u>+9.6</u>
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAC		WLAN	8.27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.36	±9,6
10526	AAC		WLAN	8.42	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN WLAN	8.36	±9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)		8.36	±9.6
10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN WLAN	8.43	<u>+9.6</u>
10532	AAC	IEEE 802.11ac WiFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC		WLAN	8.45	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFI (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAC	IEEE 802.11ac WiFI (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAC		WLAN	8.54	±9.6
10040	AAU	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	<u>+9.6</u>
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	<u>+</u> 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	<u>+</u> 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	<u>+</u> 9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	<u>+</u> 9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	<u>+9,6</u>
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	<u>±9.6</u>
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597 10598	AAC AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598		IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
	AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	<u>+9.6</u>
10600 10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
		IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602 10603	AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAC		WLAN	9.03	±9.6
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN MILAN	8.76	±9.6
		IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606 10607	AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
.		IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	<u>+9.6</u>
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8,77	±9.6

	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	<u>+9.6</u>
10610	AAC	IEEE 802.11 ac 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 10647	AAH AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) CDMA2000 (1x Advanced)	LTE-TDD	11.96	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 3 MHz, E-TM 3.1, Capping 44%) LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)		6.91	±9.6
10654	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10655	AAF	LTE-TDD (OFDMA, 13 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD LTE-TDD	6.96	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)		7.21	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	10.00	±9.6
10000	1			/ 0.99	±9.6
10660		Pulse Waveform (200Hz 40%)	Test		
10660	AAB	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Test	3.98	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test Test	3.98 2.22	±9.6
10661 10662	AAB AAB	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%)	Test Test Test	3.98 2.22 0.97	±9.6 ±9.6
10661 10662 10670	AAB AAB AAA	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy	Test Test Test Bluetooth	3.98 2.22 0.97 2.19	±9.6 ±9.6 ±9.6
10661 10662 10670 10671	AAB AAB AAA AAA	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	Test Test Test Bluetooth WLAN	3.98 2.22 0.97 2.19 9.09	
10661 10662 10670 10671 10672	AAB AAB AAA AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10661 10662 10670 10671 10672 10673	AAB AAB AAA AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10661 10662 10670 10671 10672 10673 10674	AAB AAB AAA AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10661 10662 10670 10671 10672 10673 10674 10675	AAB AAA AAA AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.74 8.90	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10661 10662 10670 10671 10672 10673 10674 10675 10676	AAB AAA AAA AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.77	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10661 10662 10670 10671 10672 10673 10674 10675 10676 10677	AAB AAA AAC AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.73	$ \begin{array}{r} \pm 9.6 \\ \end{array} $
10661 10670 10670 10671 10672 10673 10674 10675 10676 10677 10678	AAB AAA AAA AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.77 8.73 8.78	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10661 10662 10670 10671 10673 10673 10674 10675 10676 10677 10678 10679	AAB AAA AAC AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.77 8.73 8.78	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10661 10662 10670 10671 10672 10673 10674 10675 10676 10677 10678 10679 10680	AAB AAA AAA AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.73 8.73 8.78	$\begin{array}{c} \pm 9.6 \\ \pm 9.6 \end{array}$
10661 10662 10670 10671 10672 10673 10674 10675 10676 10677 10678 10679 10680 10681	AAB AAA AAC AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.77 8.73 8.78 8.89 8.80 8.62	$\begin{array}{c} \pm 9.6 \\ \end{array}$
10661 10662 10670 10671 10672 10673 10674 10675 10676 10677 10678 10679 10680 10681 10682	AAB AAB AAA AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.77 8.73 8.78 8.89 8.80 8.62 8.83	$\begin{array}{c} \pm 9.6 \\ \end{array}$
10661 10662 10670 10671 10672 10673 10674 10675 10676 10677 10678 10679 10680 10681 10682 10683	AAB AAA AAC AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%)Pulse Waveform (200Hz, 80%)Bluetooth Low EnergyIEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.77 8.73 8.78 8.89 8.80 8.62 8.83 8.42	$\begin{array}{c} \pm 9.6 \\ \end{array}$
10661 10662 10670 10671 10672 10673 10674 10675 10676 10677 10678 10679 10680 10681 10682	AAB AAB AAA AAC AAC AAC AAC AAC AAC AAC	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%) Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	Test Test Test Bluetooth WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	3.98 2.22 0.97 2.19 9.09 8.57 8.78 8.74 8.90 8.77 8.73 8.78 8.89 8.80 8.62 8.83	$\begin{array}{c} \pm 9.6 \\ \end{array}$

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	<u>+9.6</u>
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	<u>+</u> 9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9,6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8,93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10751	AAC	IEEE 802,11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

1703 AAC LEEE 802 Lift (1900HL): AIGST (000 ebb yorke) WARN R507 ASD B507 ASD B50	UID	Rev	Communication System Name	Group		Unc ^E k = 2
10784 ACC IEEE 802.1184 (100MHz, MOS0, 990-00) WLAN 8.04 13.05 10785 ACC IEEE 802.1184 (100MHz, MOS0, 990-00) WLAN 8.07 13.65 10786 ACC IEEE 802.1184 (100MHz, MOS0, 990-00) WLAN 0.77 13.65 10786 ACC IEEE 802.1184 (100MHz, MOS2, 990-00) WLAN 0.85 14.95 10786 ACC IEEE 802.1184 (100MHz, MOS2, 990-00) WLAN 0.85 14.95 10786 ACC IEEE 802.1184 (100MHz, MOS3, 990-000 yepde) WLAN 0.85 44.96 10787 ACC IEEE 802.1184 (100MHz, MOS3, 990-000 yepde) WLAN 8.48 44.96 10787 ACC IEEE 802.1184 (100MHz, MOS3, 990-000 yepde) WLAN 8.43 44.95 10787 ACC IEEE 802.1184 (100MHZ, MOS3, 990-000 yepde) WLAN 8.44 45.0 10787 ACC IEEE 802.1184 (100MHZ, MOS3, 990-000 yepde) WLAN 8.45 45.0 10787 ACC IEEE 802.1184 (100HKZ, MCS3, 15H2) S0.0 HIFTTOD 8.02 14					PAR (dB)	
10756 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.77 438.0 10757 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.67 438.0 10767 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.68 435.0 10768 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.49 43.0 10767 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.49 43.0 10767 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.49 43.0 10767 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.54 43.6 10778 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.55 43.6 10778 AXC IEEE 80.21 tax (100 MHz, MCSS, 98pp.dary cycle) WLAN 8.54 43.6 10778 AXD So MR FPA TOPO 8.65 43.6 10778 AXD So MR FPA TOPO 8.62 43.6						
1979 AAC IEEE 802.118.1 (10MHL, MGS, Spipe.duty cycle) WLAN B.77 +8.6 1978 AAC IEEE 802.118.1 (10MHL, MGS, Spipe.duty cycle) WLAN B.69 +8.6 1978 AAC IEEE 802.118.1 (10MHL, MGS, Spipe.duty cycle) WLAN B.58 +10.6 1978 AAC IEEE 802.118.1 (10MHL, MGS, Spipe.duty cycle) WLAN B.58 +10.6 1978 AAC IEEE 802.118.1 (10MHL, MGSS, Spipe.duty cycle) WLAN B.54 +5.6 1978 AAC IEEE 802.118.1 (10MHL, MGSS, Spipe.duty cycle) WLAN B.54 +5.6 1978 AAC IEEE 802.118.1 (10MHL, MGSS, Spipe.duty cycle) WLAN B.54 +5.6 1978 AAC IEEE 802.118.1 (10MHL, MGSS, Spipe.duty cycle) WLAN B.54 +5.6 1978 AAC IEEE 802.118.1 (10MHL, MGSS, Spipe.duty cycle) WLAN B.54 +5.6 1978 AAS SAN (PC-PGML 1R, 10ML, MGSS, Spipe.duty cycle) WLAN B.54 +5.6 1978 AAS SAN (PC-PGML 1R, 10ML, AGSS, Spipe.duty cycle) <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
10757 AVC IECE 802 11x (100MHz, MCS2, 98pc day cycle) WLAN 8.76 ±5.60 10758 AVC IECE 802 11x (100MHz, MCS2, 98pc day cycle) WLAN 8.69 ±5.60 10758 AVC IECE 802 11x (100MHz, MCS2, 98pc day cycle) WLAN 8.49 ±5.60 10768 AVC IECE 802 11x (100MHz, MCSS, 98pc day cycle) WLAN 8.49 ±5.60 10778 AVC IECE 802 11x (100MHz, MCSS, 98pc day cycle) WLAN 8.51 ±5.60 10786 AVC IECE 802 11x (100MHz, MCSS, 98pc day cycle) WLAN 8.54 ±5.60 10786 AVC IECE 802 11x (100MHz, MCSS, 98pc day cycle) WLAN 8.54 ±5.60 10787 AVC IECE 802 11x (100MHz, MCSS, 98pc day cycle) WLAN 8.51 ±5.60 10786 AVC IECE 802 11x (100MHz, MCSS, 98pc day cycle) WLAN 8.51 ±5.60 10787 AVC IECE 802 11x (100MHz, MCSS, 98pc day cycle) WLAN 8.51 ±5.60 10787 AVD SO INR (PC FOPML 18, 15MHz, OPSK, 15MHz) SO INR FFTT						
1975B AAC LEE BO2 11ts (1901MF2, MCS3, 99bc duty cycle) WLAN 8.69 9.96 1976B AAC IEEE BO2 11ts (1901MF2, MCS3, 99bc duty cycle) WLAN 8.59 19.96 1976B AAC IEEE BO2 11ts (1901MF2, MCS3, 99bc duty cycle) WLAN 8.59 19.96 1976B AAC IEEE BO2 11ts (1901MF2, MCS3, 99bc duty cycle) WLAN 8.53 19.96 1977B AAC IEEE BO2 11ts (1901MF2, MCS3, 99bc duty cycle) WLAN 8.54 49.56 1977B AAC IEEE BO2 11ts (1901MF2, MCS3, 99bc duty cycle) WLAN 8.54 49.56 1977B AAC IEEE BO2 11ts (1901MF2, MCS3, 199bc duty cycle) WLAN 8.54 49.56 1977B AAC IEEE BO2 11ts (1901MF2, MCS3, 1544/2) SG NN FPH 170D 8.01 49.56 1977B AAC IEEE BO2 11ts (1901MF2, MCS3, 1544/2) SG NN FPH 170D 8.01 49.56 1977B AAC SG NR FPH 170D 8.01 49.56 49.56 49.56 1977B AAC SG NR FPH 170D 8.02						
10769 AAC EEE 80.211116 (160 MHZ, MCS.63, 99bc duty openb) WLAN 8.49 4.96 10761 AAC EEE 80.21116 (160 MHZ, MCS.63, 99bc duty openb) WLAN 8.49 9.96 10761 AAC EEE 80.21116 (160 MHZ, MCS.63, 99bc duty openb) WLAN 8.49 9.96 10762 AAC EEE 80.21116 (160 MHZ, MCS.63, 99bc duty openb) WLAN 8.54 9.96 10764 AAC EEE 80.21116 (160 MHZ, MCS.63, 99bc duty openb) WLAN 8.54 1.96 10766 AAC EEE 80.21116 (160 MHZ, MCS.11, 99bc duty openb) WLAN 8.54 1.96 10776 AAC IEEE 80.21116 (160 MHZ, MCS.11, 99bc duty openb) WLAN 8.51 1.95 1078 AAC IEEE 80.21116 (160 MHZ, MCS.11, 99bc duty openb) WLAN 8.54 1.95 1078 AAD GA NR (CP-OPDM, 18, 15 MHZ, OPSK, 15 MHZ) GG NR FRI TDD 8.01 2.95 1077 AAD GA NR (CP-OPDM, 18, 15 MHZ, OPSK, 15 MHZ) GG NR FRI TDD 8.03 9.56 1077 AAD GA NR (CP-OPDM, 18, 50 MHZ, OPSK,						
10760 AAC LEEE 802.11 trait (100 MHz, MCSS, 99);c dury grieft) WLAN 8.49 9.50 10761 AAC LEEE 802.11 trait (100 MHz, MCSS, 99);c dury grieft) WLAN 8.53 9.56 10762 AAC LEEE 802.11 trait (100 MHz, MCSS, 99);c dury grieft) WLAN 8.53 9.56 10764 AAC LEEE 802.11 trait (100 MHz, MCSS), 99);c dury grieft) WLAN 8.54 4.56 10766 AAC LEEE 802.11 trait (100 MHz, MCSS), 99);c dury grieft) WLAN 8.54 4.56 10766 AAC LEEE 802.11 trait (100 MHz, MCSS), 150 Hz) C6 NR FFH TDD 7.99 3.95 10767 AAC S RIR (CP-CPMN, 118, 100 MHz, CPSK, 154 Hz) C6 NR FFH TDD 8.01 4.56 10778 AAD S RIR (CP-CPMN, 118, 100 MHz, CPSK, 154 Hz) C6 NR FFH TDD 8.02 4.96 10778 AAD S RIR (CP-CPMN, 118, 20 MHz, CPSK, 154 Hz) S S NR FFH TDD 8.02 4.96 10778 AAD S RIR (CP-CPMN, 118, 20 MHz, CPSK, 154 Hz) S S NR FFH TDD 8.02 4.96 10778 AAD						
10761 AAC IEEE 802.11st (190.MHz, MCSS, 99pc dub grobp) WLAN 8.49 49.60 10782 AAC IEEE 802.11st (190.MHz, MCSS, 99pc dub grobp) WLAN 8.54 49.60 10784 AAC IEEE 802.11st (190.MHz, MCSS, 99pc dub grobp) WLAN 8.54 19.60 10786 AAC IEEE 802.11st (190.MHz, MCSS, 99pc dub grobp) WLAN 8.54 19.60 10786 AAC IEEE 802.11st (190.MHz, MCSS, 199pc dub grobp) WLAN 8.54 19.60 10786 AAC IEEE 802.11st (190.MHz, MCSS, 199pc dub grobp) WLAN 8.51 19.60 10786 AAC IEEE 802.11st (190.MHz, MCSS, 155.Hz) 50 NR FFH TDD 8.01 +8.60 10787 AAD S0 NR (CP-CPDM, 1P8, 5MHz, OPSK, 15Hz) 50 NR FFH TDD 8.02 +8.60 10771 AAD S0 NR (CP-CPDM, 1P8, 5MHz, OPSK, 15Hz) 50 NR FFH TDD 8.02 +8.60 10772 AAD S0 NR (CP-CPDM, 1P8, 5MHz, OPSK, 15Hz) 50 NR FFH TDD 8.03 +8.60 10774 AAD S0 NR (CP-CPDM, 1P8, 5MHz, OPSK, 15Hz) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10782 AAC LEE 80.211 is (190 MHz, MCSR, 98pc duty cycle) WLAN 8.49 +9.6 10764 AAC LEE 80.211 is (190 MHz, MCSR, 99pc duty cycle) WLAN 8.54 ±9.6 10765 AAC LEE 80.211 is (190 MHz, MCSR, 99pc duty cycle) WLAN 8.54 ±9.6 10766 AAC LEE 80.211 is (150 MHz, MCSR, 190 gudy cycle) WLAN 8.51 ±9.6 10776 AAC BER 80.211 is (150 MHz, MCSR, 190 gudy cycle) WLAN 8.51 ±9.6 10780 AAD GNR (PC-PDM, HE, 5MHz, OPSK, 154Hz) GO NF FRH TDD 8.01 ±8.0 10771 AAD GNR (PC-PDM, HE, 5MHz, OPSK, 154Hz) GO NF FRH TDD 8.02 ±9.8 10772 AAD GNR (PC-PDM, HE, 5MHz, OPSK, 154Hz) GO NF FRH TDD 8.02 ±9.8 10774 AAD GNR (PC-PDM, NR, 80, MHz, OPSK, 154Hz) GO NF FRH TDD 8.02 ±9.8 10775 AAD GNR (PC-PDM, SN, RE, 5MHz, OPSK, 154Hz) GO NF FRH TDD 8.33 ±9.8 10776 AAD GNR (PC-PDM, SN, RE, 5MHz, OPSK, 154Hz) <						
10763 AAC IEEE 80.211xt (100 MHz, KCS8, 98pc duly cycle) WLAN 8.54 9.69 10764 AAC IEEE 80.211xt (100 MHz, KCS8, 98pc duly cycle) WLAN 8.54 9.69 10768 AAC IEEE 80.211xt (100 MHz, KCS1, 98pc duly cycle) WLAN 8.51 9.96 10768 AAC IEEE 80.211xt (100 MHz, KCS1, 98pc duly cycle) WLAN 8.51 9.96 10778 AAC IEEE 80.211xt (100 MHz, KCS1, 98pc duly cycle) SGN RFIPT TOD 7.80 9.96 10778 AAD SGN RCP OFDM, 1R8, 10MHz, OFSK, 15HHz) SGN RFIPT TOD 8.01 2.96 10774 AAD SGN RCP OFDM, 1R8, 20MHz, OFSK, 15HHz) SGN RFIPT TOD 8.02 1.98 10774 AAD SGN RCP OFDM, 1R8, 20MHz, OFSK, 15HHz) SGN RFIPT TOD 8.03 9.85 10774 AAD SGN RCP OFDM, 1R8, 20MHz, OFSK, 15HHz) SGN RFIPT TOD 8.30 4.95 10774 AAD SGN RCP OFDM, 1R8, 20MHz, OFSK, 15HHz) SGN RFIPT TOD 8.30 4.95 10776 AAD SGN RCP OFDM SN SR, 30MHz, OFSK, 15						
10764 AC IEEE 802.11x (100 MHz, MCS0, 980 cuby cuby) WLAN 8.54 #58. 10766 AC IEEE 802.11x (100 MHz, MCS1, 990 cuby cuby) WLAN 8.51 #95. 10776 AC IEEE 802.11x (100 MHz, MCS1, 990 cuby cuby) SO MR FPI 17D0 8.01 #95. 10781 AL 50 NR (PC PCFM, 11B5, 15MLz, QPSK, 15ML2) SO NR FPI 17D0 8.01 #95. 10778 AD 50 NR (PC PCFM, 11B5, 15MLz, QPSK, 15ML2) SG NR FPI 17D0 8.02 #96. 10771 AD 50 NR (PC PCFM, 11B5, 25MLz, QPSK, 15ML2) SG NR FPI 17D0 8.02 #96. 10772 AD 50 NR (PC PCFM, 11B5, 25MLz, QPSK, 15ML2) SG NR FPI 17D0 8.02 #96. 10774 AD 50 NR (PC PCFM, 11B5, 25MLz, QPSK, 15ML2) SG NR FPI 17D0 8.02 #96. 10774 AD 50 NR (PC PCFM, 11B5, 25MLz, QPSK, 15ML2) SG NR FPI 17D0 8.02 #96. 10774 AD 50 NR (PC PCFM, 105, 50KL, 15ML2) SG NR FPI 17D0 8.03 #86. 10774 AD 50 NR (PC PCFM, 105%, 76L, 15ML2						
10765 AC IEEE 802.11ar (100 MHz, MCS10, 99pc July cyclu) WLAN 8.54 9.95 10767 AAC IEEE 802.11ar (100 MHz, MCS10, 99pc July cyclu) GG NR FFI TDD 7.96 9.96 10768 AAD ISG NR (CP-OFDM, 178, 50Hz, OFSK, 15H4) SG NR FFI TDD 8.01 9.96 10768 AAD ISG NR (CP-OFDM, 178, 158Hz) SG NR FFI TDD 8.02 9.86 10771 AAD ISG NR (CP-OFDM, 178, 20MHz, OFSK, 15Hz) SG NR FFI TDD 8.02 9.86 10772 AAD ISG NR (CP-OFDM, 178, 20MHz, OFSK, 15Hz) SG NR FFI TDD 8.02 9.86 10774 AAD ISG NR (CP-OFDM, 178, 20MHz, OFSK, 15Hz) SG NR FFI TDD 8.02 9.86 10774 AAD ISG NR (CP-OFDM, 178, 20MHz, OFSK, 15Hz) SG NR FFI TDD 8.03 9.85 10774 AAD ISG NR (CP-OFDM, 178, 20MHz, OFSK, 15Hz) SG NR FFI TDD 8.03 9.85 10774 AAC ISG NR (CP-OFDM, 50%, R8, 20MHz, OFSK, 15Hz) SG NR FFI TDD 8.34 9.85 10778 AAD ISG NR (CP-OFDM, 50%, R8		AAC				
10765 AAC IEEE 802.11ax (160.MHz, MCS11, 99pc Luby cycle) WLAN 8.51 9.96. 10767 AAC 56 NR (PC-PCM, 11R8, 50Hz, PCSK, 155Hz) 56 NR FR1 TDD 7.01 9.56. 10768 AAD 56 NR (PC-PCM, 11R8, 10MHz, OFSK, 155Hz) 56 NR FR1 TDD 6.02 9.56. 10771 AAD 56 NR (PC-PCM, 11R8, 20MHz, OFSK, 155Hz) 56 NR FR1 TDD 6.02 9.56. 10772 AAD 56 NR (PC-PCM, 11R8, 20MHz, OFSK, 155Hz) 56 NR FR1 TDD 8.02 9.56. 10774 AAD 56 NR (PC-PCM, 11R8, 20MHz, OFSK, 155Hz) 56 NR FR1 TDD 8.02 9.56. 10774 AAD 56 NR (PC-PCM, 11R8, 20MHz, OFSK, 155Hz) 56 NR FR1 TDD 8.02 9.56. 10774 AAD 56 NR (PC-PCM, 11R8, 20MHz, OFSK, 155Hz) 56 NR FR1 TDD 8.02 9.56. 10776 AAD 56 NR (PC-PCM, 158, 20MHz, OFSK, 155Hz) 56 NR FR1 TDD 8.34 9.66. 10777 AAC 56 NR (PC-PCM, 168, 20MHz, OFSK, 155Hz) 56 NR FR1 TDD 8.34 9.66. 10776 AAD 56 NR (PC-PCM,	10765	AAC				
10767 AAE 5G NR (CP-CPDM, 1FB, SMHz, CPSK, 15H4z) 5G NR FR1 TDD 7.99 19.66 10768 AAD 5G NR (CP-CPDM, 1FB, 15MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.01 19.66 10770 AAD 5G NR (CP-CPDM, 1FB, 25MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.02 49.86 10771 AAD 5G NR (CP-CPDM, 1FB, 25MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.02 49.86 10772 AAD 5G NR (CP-CPDM, 1FB, 30MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.02 49.86 10774 AAD 5G NR (CP-CPDM, 1FB, 30MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.02 49.86 10774 AAD 5G NR (CP-CPDM, 50% RB, 5MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.32 49.86 10777 AC 5G NR (CP-CPDM, 50% RB, 5MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.34 48.6 10778 ALD 5G NR (CP-CPDM, 50% RB, 5MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.34 48.6 10778 ALD 5G NR (CP-CPDM, 60% RB, 50MHz, CPSK, 15H4z) 5G NR FR1 TDD 8.34 48.6 10781 ADD 5G NR	10766	AAC				
10768 ADD 5G NR FR1 TOD 8.01 9.96 10778 ADD 5G NR FR1 TOD 8.01 9.96 10770 ADD 5G NR (CP-CPDM, I BB, 50MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±9.8 10771 ADD 5G NR (CP-CPDM, I BB, 50MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±9.8 10772 ADD 5G NR (CP-CPDM, I BB, 30MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±9.8 10774 ADD 5G NR (CP-CPDM, I BB, 30MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±8.6 10774 ADD 5G NR (CP-CPDM, R8, 80MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±8.6 10776 ADD 5G NR (CP-CPDM, 69K, B1, 5MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.30 ±9.6 10778 ADD 5G NR (CP-CPDM, 69K, B1, 5MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.34 ±9.6 10780 ADD 5G NR (CP-CPDM, 69K, B1, 5MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.38 ±9.6 10781 ADD 5G NR (CP-CPDM, 69K, B1, 5MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.38 ±9.6	10767	AAE				
10709 AAD 5G NR R(DP-DFDM, IR B2, 3HK2, OPSK, 15KH2) 5G NR FPH TDD 8.02 ±9.6 10771 AAD 5G NR (DP-DFDM, IR B2, 35MH2, OPSK, 15KH2) 5G NR FPH TDD 8.02 ±9.6 10772 AAD 5G NR (OP-DFDM, IR B, 30MH2, OPSK, 15KH2) 5G NR FRI TDD 8.02 ±9.6 10772 AAD 5G NR (OP-DFDM, IR B, 30MH2, OPSK, 15KH2) 5G NR FRI TDD 8.02 ±9.6 10775 AAD 5G NR (OP-DFDM, IR B, 30MH2, OPSK, 15KH2) 5G NR FRI TDD 8.02 ±9.6 10775 AAD 5G NR (OP-DFDM, M6W, RB, 10MH2, OPSK, 15KH2) 5G NR FRI TDD 8.31 ±9.6 10777 AAD 5G NR (OP-DFDM, 69% RB, 10MH2, OPSK, 15KH2) 5G NR FRI TDD 8.32 ±9.6 10778 AAD 5G NR (OP-DFDM, 69% RB, 30MH2, OPSK, 15KH2) 5G NR FRI TDD 8.33 ±9.6 10778 AAD 5G NR (OP-DFDM, 69% RB, 30MH2, OPSK, 15KH2) 5G NR FRI TDD 8.34 ±9.6 10778 AAD 5G NR (OP-DFDM, 69% RB, 30MH2, OPSK, 15KH2) 5G NR FRI TDD 8.39 ±9.6 10781 AAD	10768	AAD				[
10707 ADD 5G NR (CP-OPDM, T B2, 20MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±9.6 10771 ADD 5G NR (CP-OPDM, T B2, 5SMHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±9.6 10773 ADD 5G NR (CP-OPDM, T B3, 50MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.03 ±9.6 10774 ADD 5G NR (CP-OPDM, T B3, 50MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±9.6 10774 ADD 5G NR (CP-OPDM, T B8, 50MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.02 ±9.6 10777 ADD 5G NR (CP-OPDM, 50K B1, 5MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.30 ±9.6 10777 ADD 5G NR (CP-OPDM, 65K B1, 5MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.30 ±9.6 10778 ADD 5G NR (CP-OPDM, 65K B1, 20MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.34 ±9.6 10780 ADD 5G NR (CP-OFDM, 65K B1, 20MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.39 ±9.6 10781 ADD 5G NR (CP-OFDM, 65K B1, 20MHz, OPSK, 15MHz) 5G NR FR1 TDD 8.39 ±9.6 10782 ADD 5	10769	AAD				
10771 AAD SG NR ICP-OFDM, 1 RB, 20MHz, OPSK, 15Hz) SG NR FPI TDD 8.02 4.98 10772 AAD SG NR ICP-OFDM, 1 RB, 20MHz, OPSK, 15Hz) SG NR FPI TDD 8.02 4.98 10774 AAD SG NR ICP-OFDM, 1 RB, 20MHz, OPSK, 15Hz) SG NR FPI TDD 8.02 4.98 10774 AAD SG NR ICP-OFDM, 1 RB, 20MHz, OPSK, 15Hz) SG NR FPI TDD 8.31 4.96 10775 AAD SG NR ICP-OFDM, 50% RB, 51MHz, OPSK, 15Hz) SG NR FPI TDD 8.30 4.96 10777 AAD SG NR ICP-OFDM, 50% RB, 20MHz, OPSK, 15Hz12 SG NR FPI TDD 8.34 4.96 10778 AAD SG NR ICP-OFDM, 50% RB, 20MHz, OPSK, 15Hz12 SG NR FPI TDD 8.34 4.96 10781 AAD SG NR ICP-OFDM, 50% RB, 20MHz, OPSK, 15Hz12 SG NR FPI TDD 8.38 4.96 10782 AAD SG NR ICP-OFDM, 50% RB, 20MHz, OPSK, 15Hz12 SG NR FPI TDD 8.34 4.96 10781 AAD SG NR ICP-OFDM, 100% RB, 81, 5MHz, OPSK, 15Hz12 SG NR FPI TDD 8.34 4.96 10782 AAD <t< td=""><td>10770</td><td>AAD</td><td></td><td></td><td></td><td></td></t<>	10770	AAD				
10772 AAD SG N RI CP-OFDM, 1 RB, 30MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.23 +9.6 10774 AAD SG N RI (CP-OFDM, 1 RB, 30MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.02 +9.6 10774 AAD SG N RI (CP-OFDM, 1 RB, 50MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.30 +9.6 10774 AAD SG N RI (CP-OFDM, 50% RB, 50MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.30 +9.6 10777 AAD SG N RI (CP-OFDM, 50% RB, 15MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.34 +9.6 10778 AAD SG N RI (CP-OFDM, 50% RB, 25MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.34 +9.6 10780 AAD SG N RI (CP-OFDM, 50% RB, 25MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.34 +9.6 10782 AAD SG N RI (CP-OFDM, 50% RB, 30MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.34 +9.6 10782 AAD SG N RI (CP-OFDM, 100% RB, 50MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.34 +9.6 10782 AAD SG N RI (CP-OFDM, 100% RB, 50MHz, OPSK, 15Hz) SG N RI FR1 TDD 8.34 +9.6 10784 <td>10771</td> <td>AAD</td> <td></td> <td></td> <td></td> <td></td>	10771	AAD				
10773 AAD SG NR (CP-OFDM, 1 RB, 50M+z, OPSK, 15kH2) SG NR FR1 TDD 8.03 +9.6 10774 AAD SG NR (CP-OFDM, 1 RB, 50M+z, OPSK, 15kH2) SG NR FR1 TDD 8.03 +9.6 10776 AAD SG NR (CP-OFDM, 50%, RB, 50M+z, OPSK, 15kH2) SG NR FR1 TDD 8.30 +9.6 10777 AAC SG NR (CP-OFDM, 50%, RB, 20M+z, OPSK, 15kH2) SG NR FR1 TDD 8.30 +9.6 10778 AAD SG NR (CP-OFDM, 50%, RB, 20M+z, OPSK, 15kH2) SG NR FR1 TDD 8.34 +9.6 10778 AAD SG NR (CP-OFDM, 50%, RB, 20M+z, OPSK, 15kH2) SG NR FR1 TDD 8.34 +9.6 10781 AAD SG NR (CP-OFDM, 50%, RB, 50M+z, OPSK, 15kH2) SG NR FR1 TDD 8.38 +9.6 10782 AAD SG NR (CP-OFDM, 100%, RB, 50M+z, OPSK, 15kH2) SG NR FR1 TDD 8.34 +9.6 10783 AAE SG NR (CP-OFDM, 100%, RB, 50M+z, OPSK, 15kH2) SG NR FR1 TDD 8.43 +9.6 10784 AAD SG NR (CP-OFDM, 100%, RB, 50M+z, OPSK, 15kH2) SG NR FR1 TDD 8.40 +9.6 10785 AAD						
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10776 AAD 6 G NR FCP-OFDM, 50% BB, 5MHz, OPSK, 15KHz) 5G NR FR1 TDD 8.30 19.6 10776 AAD 5G NR FCP-OFDM, 50% BB, 10HHz, OPSK, 15KHz) 5G NR FR1 TDD 8.30 19.6 10777 AAC 5G NR FCP-OFDM, 50% RB, 20HHz, OPSK, 15KHz) 5G NR FR1 TDD 8.34 19.6 10778 AAD 5G NR FCP-OFDM, 50% RB, 20HHz, OPSK, 15KHz) 5G NR FR1 TDD 8.34 19.6 10780 AAD 5G NR FCP-OFDM, 50% RB, 20MHz, OPSK, 15KHz) 5G NR FR1 TDD 8.38 19.6 10781 AAD 5G NR FCP-OFDM, 50% RB, 50MHz, OPSK, 15KHz) 5G NR FR1 TDD 8.43 19.6 10782 AAD 5G NR FCP-OFDM, 50% RB, 50MHz, OPSK, 15KHz) 5G NR FR1 TDD 8.43 19.6 10783 AAE 5G NR FCP-OFDM, 100% RB, 55MHz, OPSK, 15KHz) 5G NR FR1 TDD 8.43 19.6 10784 AAD 5G NR FR1 TDD 8.44 19.6 19.6 19.6 10786 AAD 5G NR FR1 TDD 8.44 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6 10.76 19.8						
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10781 AAD 5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.48 ±9.6 10782 AAD 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.43 ±9.6 10783 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.29 ±9.6 10785 AAD 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.40 ±9.6 10786 AAD 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.44 ±9.6 10787 AAD 5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.39 ±9.6 10787 AAD 5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.37 ±9.6 10780 AAD 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.39 ±9.6 10790 AAD 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.83 ±9.6 10791 AAE 5G NR (CP-OFDM, 10R, 85, 50MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82 ±9.6 10792 AAD 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82	10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		
10783 AAE 5G NR (PC-OFDM, 100% RB, 5MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.31 19.6 10784 AAD 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.40 49.6 10785 AAD 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.43 49.6 10786 AAD 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.43 49.6 10787 AAD 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.39 ±9.6 10788 AAD 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.39 ±9.6 10789 AAD 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz) 5G NR FR1 TDD 8.39 ±9.6 10791 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.83 ±9.6 10792 AAD 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82 ±9.8 10793 AAD 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82 ±9.6 10794 AAD 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82 <	10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)			
10783 AAE 5G NR (PC-OFDM, 100% RB, 5MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.31 19.6 10784 AAD 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.40 49.6 10785 AAD 5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.43 49.6 10786 AAD 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.43 49.6 10787 AAD 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.39 ±9.6 10788 AAD 5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FR1 TDD 8.39 ±9.6 10789 AAD 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz) 5G NR FR1 TDD 8.39 ±9.6 10791 AAE 5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.83 ±9.6 10792 AAD 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82 ±9.8 10793 AAD 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82 ±9.6 10794 AAD 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30KHz) 5G NR FR1 TDD 7.82 <	10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10785 AAD 5G NR (CP-OFDM, 100% RB, 15MHz, 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 8.44 ±9.6 10787 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 10788 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ±9.6 10798 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ±9.6 10791 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.83 ±9.6 10792 AAD 5G NR (CP-OFDM, 108, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10793 AAD 5G NR (CP-OFDM, 17 B, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10794 AAD 5G NR (CP-OFDM, 17 B, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 17 B, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 17 B, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7	10783	AAE		5G NR FR1 TDD	8.31	±9.6
10786 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.45 ±9.6 10787 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.44 ±9.6 10789 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, 30 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.39 ±9.6 10791 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 7.32 ±9.6 10792 AAD 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ±9.6 10793 AAD 5G NR (CP-OFDM, 18, 15 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ±9.6 10794 AAD 5G NR (CP-OFDM, 18, 20 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 18, 20 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAD 5G NR (CP-OFDM, 18, 30 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAD 5G NR (CP-OFDM, 18, 30 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82	10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10787 AAD 5G NR (CP-OFDM, 100% RB, 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, 30 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.39 ±9.6 10790 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 7.83 ±9.6 10791 AAE 5G NR (CP-OFDM, 18, 10 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ±9.6 10793 AAD 5G NR (CP-OFDM, 18, 10 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ±9.6 10794 AAD 5G NR (CP-OFDM, 18, 18, 10 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 18, 25 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAD 5G NR (CP-OFDM, 18, 25 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±9.6 10797 AAD 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±9.6 10797 AAD 5G NR (CP-OFDM, 18, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.83	10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±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 10791 AAE 5G NR (CP-OFDM, 10% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 7.83 ±9.6 10791 AAE 5G NR FR1 TDD 7.83 ±9.6 10792 AAD 5G NR (CP-OFDM, 1RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ±9.6 10793 AAD 5G NR (CP-OFDM, 1RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.95 ±9.6 10794 AAD 5G NR (CP-OFDM, 1RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 1RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAD 5G NR (CP-OFDM, 1RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10798 AAD 5G NR (CP-OFDM, 1RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799	10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±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, 10% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.83 ±9.6 10791 AAD 5G NR (CP-OFDM, 1 RB, 50 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, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±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, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10797 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87	10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10790 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 16 kHz) 5G NR FR1 TDD 8.39 ±9.6 10791 AAE 5G NR (CP-OFDM, 1 RB, 50 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 10794 AAD 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ±9.6 10796 AAD 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.84 ±9.6 10797 AAD 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.01 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87	10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	<u>+9.6</u>
10791 AAE 5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10792 AAD 5G NR (CP-OFDM, 1 RB, 15 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 7.92 ±9.6 10794 AAD 5G NR (CP-OFDM, 1 RB, 20 MLz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 1 RB, 20 MLz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAD 5G NR (CP-OFDM, 1 RB, 20 MLz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10797 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10803 AAD 5G NR (CP-OFDM, 50 K RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83	10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10792 AAD 5G NR FCP-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, 20 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.82 ±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 7.82 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.89 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.87 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.87 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.34 <	10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±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 7.82 ±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 7.82 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10804 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34	10791	AAE		5G NR FR1 TDD	7.83	±9.6
10794 AAD 5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9.6 10795 AAD 5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.84 ±9.6 10796 AAD 5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.82 ±9.6 10797 AAD 5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100MLz, QPSK, 30kHz) 5G NR FR1 TDD 7.83 ±9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.34 ±9.6	10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±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, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34	10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±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 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 <td>10794</td> <td>AAD</td> <td>5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD</td> <td>7.82</td> <td>±9.6</td>	10794	AAD	5G NR (CP-OFDM, 1 RB, 20 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 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10805 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 <td>10795</td> <td>AAD</td> <td>5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)</td> <td>5G NR FR1 TDD</td> <td>7.84</td> <td>±9.6</td>	10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10798 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10807 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10808 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10817 AAD 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35<		AAD		5G NR FR1 TDD	7.82	±9.6
10799 AAD 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10807 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10808 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.	10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10801 AAD 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ±9.6 10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10807 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10814 AAE 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8	10798	AAD		5G NR FR1 TDD	7.89	±9,6
10802 AAD 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ±9.6 10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10805 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ±9.6 10807 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10808 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD <	J			L		±9.6
10803 AAD 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ±9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD			· · · · · · · · · · · · · · · · · · ·	1	7.89	±9.6
10805AAD5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.34±9.610806AAD5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.37±9.610809AAD5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.34±9.610810AAD5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.34±9.610812AAD5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.35±9.610812AAD5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.35±9.610817AAE5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.35±9.610818AAD5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.33±9.610819AAD5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.33±9.610820AAD5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.33±9.610821AAD5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.41±9.610822AAD5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.41±9.610822AAD5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.41±9.610823AAD5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)5G NR FR1 TDD8.41±9.610824AAD5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)5G NR FR1 TDD8				\$		±9.6
10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.37 ±9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822	1	1		1		
10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD	L				8,34	±9.6
10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD <td></td> <td></td> <td></td> <td></td> <td></td> <td>±9.6</td>						±9.6
10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.35 ±9.6 10817 AAE 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD <td></td> <td></td> <td></td> <td></td> <td>8.34</td> <td>±9.6</td>					8.34	±9.6
10817 AAE 5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz) 5G NR FR1 TDD 8.35 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9.6 10825<					1	±9.6
10818 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ±9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 108		l			÷	±9.6
10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ±9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 00 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9.6 10825 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10827 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9.6		+				±9.6
10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.30 ±9.6 10821 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10822 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10825 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10827 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9.6					1	
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10822 AAD 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10823 AAD 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.36 ±9.6 10824 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.39 ±9.6 10825 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10827 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9.6				1	· · · · · ·	····
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10825 AAD 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ±9.6 10827 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9.6	L	+				±9.6
10827 AAD 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.42 ±9.6				ł		
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10828 AAD 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.43 ±9.6		1				
	10828	AAD	5G NH (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

1982 ADJ 50 NR (CP-CPDM, 1000 R, 0, 000 H, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.48 43.09 1983 ADJ 50 NR (CP-CPDM, 158, 100 MH, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.43 43.60 1983 ADJ 50 NR (CP-CPDM, 158, 100 MH, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.74 43.60 1983 ADJ 50 NR (CP-CPDM, 158, 100 MH, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.74 43.60 1983 ADJ 50 NR (CP-CPDM, 158, 200 H, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.66 43.5 1983 ADJ 50 NR (CP-CPDM, 158, 200 H, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.66 43.5 1984 ADJ 50 NR (CP-CPDM, 158, 000 H, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.66 43.5 1984 ADJ 50 NR (CP-CPDM, 158, 000 H, 0, 078 S, 000 H, 2 50 NR FFT TDD 7.61 43.6 1984 ADJ 50 NR (CP-CPDM, 158, 000 H, 0, 078 S, 000 H, 0 50 NR FFT TDD 5.6 7.77 43.6 1984 ADJ 50 NR (CP-CPDM, 159, 000 H, 0, 078 S, 000 H, 0 50 NR (FT TDD 7.6 43.6 <td< th=""><th>UID</th><th>Rev</th><th>Communication System Name</th><th>Group</th><th>PAR (dB)</th><th>$Unc^E k = 2$</th></td<>	UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
1980 AND 55 NR (C+OFDM, 1R, 10MR, CPSK, 60H2) 56 NR FF1TDD 7.73 495 1887 AND 56 NR (C+OFDM, 1R, 20MR, CPSK, 60H2) 56 NR FF1TDD 7.73 495 1887 AND 56 NR (C+OFDM, 1R, 20MR, CPSK, 60H2) 56 NR FF1TDD 7.73 495 1888 AND 56 NR (C+OFDM, 1R, 20MR, CPSK, 60H2) 56 NR FF1TDD 7.75 495 1888 AND 56 NR (C+OFDM, 1R, 20MR, CPSK, 60H2) 56 NR FF1TDD 7.76 495 1888 AND 56 NR (C+OFDM, 1R, 20MR, CPSK, 60H2) 56 NR FF1TDD 7.76 436 1986 AND 56 NR (C+OFDM, 1R, 10 MR, CPSK, 60H2) 56 NR FF1TDD 7.77 436 1986 AND 56 NR (C+OFDM, 1R, 10 MR, CPSK, 60H2) 56 NR FF1TDD 7.77 436 1984 AND 56 NR (C+OFDM, 50 KR, 10 MR, CPSK, 60H2) 56 NR FF1TDD 8.34 4.55 1984 AND 56 NR (C+OFDM, 50 KR, 10 MR, CPSK, 60H2) 56 NR FF1TDD 8.34 4.55 1984 AND 56 NR (C+OFDMA, 50 KR, 10 MML, CPSK, 60H2) 56 NR FF1TDD	10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)			
1988 AAD SGANR (CP OPDM, 15R, 15M, CPSK, 60H4) SGANR FITTOD 7.73 458.0 1988 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.74 458.0 1988 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.76 458.0 1988 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.76 458.0 1988 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.76 458.0 1988 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.76 458.0 1988 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.77 458.0 1984 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.77 458.0 1984 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.83 458.0 1984 AAD SGANR (CP OPDM, 15R, 25MK2, CPSK, 60H4) SGANR FITTOD 7.84 458.0 1984 AAD SGANR (CP OPDM, 15NK5, RD, 25MKL2, CPSK, 6	10830	AAD				
1085 AAD 56 AN F PH TOD 770 490 1085 AAD 56 NN (PC-PCPM, HB, 30MHz, QPSK, 60Hz) 50 AN FPH TOD 776 10.6 1085 AAD 56 NN (PC-PCPM, HB, 30MHz, QPSK, 60Hz) 50 AN FPH TOD 766 435. 1085 AAD 56 NN (PC-PCPM, HB, 50MHz, QPSK, 60Hz) 55 AN FPH TOD 776 435. 1085 AAD 56 NN (PC-PCPM, HB, 50MHz, QPSK, 60Hz) 55 AN FPH TOD 776 435. 1084 AAD 56 NN (PC-PCPM, HB, 50MHz, QPSK, 60Hz) 56 AN FPH TOD 777 435. 10844 AAD 56 NN (PC-PCPM, HB, 50MHz, QPSK, 60Hz) 56 AN FPH TOD 777 435. 10844 AAD 56 NN (PC-PCPM, AN, RD, 50MHz, QPSK, 60Hz) 56 NN FPH TOD 6.44 40.6 10845 AAD 56 NN (PC-PCPM, MSN, RD, 50MHz, QPSK, 60Hz) 56 NN FPH TOD 6.43 43.6 10846 AAD 56 NN (PC-PCPM, MSN, RD, 50MHz, QPSK, 60Hz) 56 NN FPH TOD 6.44 43.6 10846 AAD 56 NN (PC-PCPM, MSN, RD, 50MHz, QPSK, 50Hz) 56 NN FH TOD 8.4	10831	AAD		5G NR FR1 TDD	7.73	
1088 ADD 63 NR (CP-OPIM, TRS, 30MHz, 0PSK, 60Hz) 65 NR PH1 TDD 7.75 918.0 1088 ADD 63 NR (CP-OPIM, TRS, 30MHz, 0PSK, 60Hz) 50 NR PH1 TDD 7.66 916.0 1088 ADD 63 NR (CP-OPIM, TRS, 30MHz, 0PSK, 60Hz) 50 NR PH1 TDD 7.66 916.0 1089 ADD 63 NR (CP-OPIM, TRS, 00Hz, 0PSK, 60Hz) 50 NR PH1 TDD 7.76 94.6 1084 ADD 63 NR (CP-OPIM, TRS, 00Hz, 0PSK, 60Hz) 50 NR PH1 TDD 7.77 94.5 10841 ADD 63 NR (CP-OPIM, TRS, 00Hz, 0PSK, 60Hz) 50 NR PH1 TDD 8.44 95.5 10842 ADD 63 RR (CP-OPIM, 450, 0Hz, 0PSK, 60Hz) 50 NR PH1 TDD 8.44 95.6 10844 ADD 63 RR (CP-OPIM, 450, RHz, 0Hz, 0PSK, 60Hz) 50 NR PH1 TDD 8.44 95.6 10845 ADD 63 RR (CP-OPIM, 450, RHz, 0PSK, 60Hz) 50 NR PH1 TDD 8.34 95.6 10846 ADD 63 RR (CP-OPIM, 450, RHz, 0PSK, 60Hz) 50 NR PH1 TDD 8.34 95.6 10847 ADD 63 RR (CP-OPIM, 450, RHz, 00Hz, 0PSK,	10832	AAD			7.74	±9.6
10885 AAD 05 NR (PC-PDM, TRB, 30MH, 0295K, 00HL) S0 NR FRI TDD 7.70 1.95 10887 AAD 50 NR (PC-PDM, TRB, 30MH, 0295K, 00HL) S0 NR FRI TDD 7.86 4.95 10887 AAD 50 NR (PC-PDM, TRB, 30MH, 0295K, 00HL) S0 NR FRI TDD 7.76 4.95 10848 AAD 50 NR (PC-PDM, TRB, 30MH, 0295K, 00HL) S0 NR FRI TDD 7.77 4.95 10844 AAD 50 NR (PC-PDM, NR, 80 MH, 0295K, 00HL) S0 NR FRI TDD 8.49 4.956 10844 AAD 50 NR (PC-PDM, 50 NR, 80, 30HL, 0295K, 00HL) S0 NR FRI TDD 8.49 4.956 10844 AAD 50 NR (PC-PDM, 50 NR, 80, 30HL, 0295K, 00HL) S0 NR FRI TDD 8.44 4.956 10845 AAD 50 NR (PC-PDM, 50 NR, 80, 30HL, 0295K, 00HL) S0 NR FRI TDD 8.34 4.956 10858 AAD 50 NR (PC-PDM, 100 NR, B1, 30HL, 0295K, 00HL) S0 NR FRI TDD 8.34 4.956 10858 AAD 50 NR (PC-PDM, 100 NR, B1, 30HL, 0295K, 00HL) S0 NR FRI TDD 8.34 4.956 10858 ADD 5				5G NR FR1 TDD	7.70	±9.6
1088 ADD 5G NR FPH TDD 7.68 49.56 1088 ADD 6G NR (PC-PGM, 1F8, 60MH-, 025K, 60H-b) 5G NR FPH TDD 7.66 49.6 1084 ADD 6G NR (PC-PGM, 1F8, 60MH-, 025K, 60H-b) 5G NR FPH TDD 7.77 49.6 1084 ADD 6G NR (PC-PGM, 1F8, 50MH-, 025K, 60H-b) 5G NR FPH TDD 8.44 49.6 1084 ADD 5G NR (PC-PGM, 59K, 85, 50H-b) 5G NR FPH TDD 8.44 49.6 1084 ADD 5G NR (PC-PGM, 59K, 85, 50H-b) 5G NR FPH TDD 8.44 49.6 1084 ADD 5G NR (PC-PGM, 59K, 85K, 80H-b) 5G NR FPH TDD 8.44 49.6 1085 ADD 5G NR (PC-PGM, 100K FB, 50MH-c, 0PSK, 60H-b) 5G NR FPH TDD 8.34 49.6 1085 ADD 5G NR (PC-PGM, 100K FB, 50MH-c, 0PSK, 60H-b) 5G NR FPH TDD 8.34 49.6 1085 ADD 5G NR (PC-PGM, 100K FB, 50MH-c, 0PSK, 60H-b) 5G NR FPH TDD 8.36 49.6 1085 ADD 5G NR (PC-PGN, 100K FB, 50MH-c, 0PSK, 50H-b) 5G NR FPH TDD 8.36		AAD		5G NR FR1 TDD	7.75	±9.6
1082 AD 64 NR (C+CPEM, 118, 00HHz, CPSK, 60Hz) 50 NR FFH TDD 7.66 928. 1084 AD 65 NR (C+CPEM, 118, 00HHz, CPSK, 60Hz) 56 NR FFH TDD 7.77 458. 1084 AD 65 NR (C+CPEM, 118, 00HHz, CPSK, 60Hz) 56 NR FFH TDD 8.49 456. 1084 AD 65 NR (C+CPEM, 50N, 78, 00Hz, 025K, 60Hz) 56 NR FFH TDD 8.44 456. 1084 AD 65 NR (C+CPEM, 50N, 78, 78, 00Hz, 025K, 60Hz) 56 NR FFH TDD 8.44 458. 1084 AD 65 NR (C+CPEM, 50N, 78, 78, 00Hz, 025K, 60Hz) 56 NR FFH TDD 8.41 458. 10864 AD 65 NR (C+CPEM, 50N, 78, 78, 0Hz, 025K, 60Hz) 56 NR FFH TDD 8.34 458. 10864 AD 56 NR (C+CPEM, 100N, 78, 78, 0Hz, 025K, 60Hz) 56 NR FH TDD 8.35 456. 10864 AD 56 NR (C+CPEM, 100N, 78, 78, 0Hz, 025K, 60Hz) 56 NR FH TDD 8.35 456. 10865 AD 56 NR (C+CPEM, 100N, 78, 80 MHz, 025K, 60Hz) 56 NR FH TDD 8.35 456. 10866 AD 56 NR (C+CPEM, 1	1			5G NR FR1 TDD	7.70	±9.6
10803 ADD 5G NR (CP-OFEM, 1 R8, 904A, OPSK, 804A) SG NR FFR TDD 7.70 +965 10841 ADD 5G NR (CP-OFEM, 1 R8, 904A, OPSK, 804A) SG NR FFR TDD 7.71 +965 10843 ADD 5G NR (CP-OFEM, 1 R8, 904A, OPSK, 804A) SG NR FFR TDD 8.44 +965 10844 ADD 5G NR (CP-OFEM, 50% R8, 15MA, OPSK, 804A) SG NR FFR TDD 8.44 +965 10845 ADD 5G NR (CP-OFEM, 50% R8, 15MA, OPSK, 6004A) SG NR FFR TDD 8.34 +965 10855 ADD 5G NR (CP-OFEM, 100%, R8, 804A, OPSK, 6004A) SG NR FFR TDD 8.34 +965 10857 ADD 5G NR (CP-OFEM, 100%, R8, 804A, OPSK, 6004A) SG NR FFR TDD 8.34 +965 10858 ADD 5G NR (CP-OFEM, 100%, R8, 804A, OPSK, 6004A) SG NR FFR TDD 8.34 +965 10858 ADD 5G NR (CP-OFEM, 100%, R8, 804A, OPSK, 6004A) SG NR FFR TDD 8.34 +965 10858 ADD 5G NR (CP-OFEM, 100%, R8, 804A, OPSK, 6004A) SG NR FFR TDD 8.34 +965 10859 ADD <td< td=""><td></td><td></td><td></td><td>5G NR FR1 TDD</td><td>7.66</td><td>±9.6</td></td<>				5G NR FR1 TDD	7.66	±9.6
10840 AAD 5G NR (CP-OPM, 1 RB, 00MHz, OPSK, 50MHz) 5G NR FFI TOD 7.77 49.65 10841 AAD 5G NR (CP-OPM, 1 RB, 100MHz, OPSK, 50MHz) 5G NR FFI TOD 8.49 49.65 10843 AAD 5G NR (CP-OPM, 50%, RB, 20MHz, OPSK, 50MHz) 5G NR FFI TOD 8.44 49.85 10844 AAD 5G NR (CP-OPM, 50%, RB, 20MHz, OPSK, 50MHz) 5G NR FFI TOD 8.44 49.85 10845 AAD 5G NR (CP-OPM, 100%, RB, 10MHz, OPSK, 50MHz) 5G NR FFI TOD 8.34 49.65 10856 AAD 5G NR (CP-OPM, 100%, RB, 20MHz, OPSK, 50HHz) 5G NR FFI TOD 8.35 49.65 10857 AAD 5G NR (CP-OPM, 100%, RB, 20MHz, OPSK, 50HHz) 5G NR FFI TOD 8.34 49.65 10858 AAD 5G NR (CP-OPM, 100%, RB, 20MHz, OPSK, 50HHz) 5G NR FFI TOD 8.34 49.65 10869 AAD 5G NR (CP-OPM, 100%, RB, 20MHz, OPSK, 50HHz) 5G NR FFI TOD 8.34 49.65 10869 AAD 5G NR (CP-OPM, 100%, RB, 20MHz, OPSK, 50HHz) 5G NR FFI TOD 8.34 49.65 10869 <td< td=""><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>5G NR FR1 TDD</td><td>7.68</td><td>±9.6</td></td<>		· · · · · · · · · · · · · · · · · · ·		5G NR FR1 TDD	7.68	±9.6
10841 AAD 5G NR (CP-OFDM, 1 RB, 100MHz, OPSK, 501Hz) SG NR FPH TOD 7.71 9.65 10843 AAD 5G NR (CP-OFDM, 50%, RB, 20MHz, OPSK, 500Hz) SG NR FPH TOD 8.24 9.65 10844 AAD 5G NR (CP-OFDM, 50%, RB, 20MHz, OPSK, 600Hz) SG NR FPH TOD 8.24 9.65 10855 AAD 5G NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 600Hz) SG NR FPH TOD 8.24 9.65 10856 AAD 5G NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 600Hz) SG NR FPH TOD 8.36 9.66 10857 AAD 5G NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 600Hz) SG NR FPH TOD 8.36 9.66 10858 AAD 5G NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 600Hz) SG NR FPH TOD 8.34 9.66 10859 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 600Hz) SG NR FPH TOD 8.34 9.66 10861 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 600Hz) SG NR FPH TOD 8.34 9.66 10864 AAD SG NR (CP-OFDM, 100%, RB, 20MHz, OPSK, 500Hz) SG NR FPH TOD 8.34 9.66 10.66 1.66	i			5G NR FR1 TDD	7.70	±9.6
10443 ADD 50 NR (CP-OPEN 50% RB, 15MHz, OPSK, 600Hz) EG NR FRI TDD 8.40 9.53 10364 ADD 55 NR (CP-OPEN 50% RB, 20MHz, OPSK, 600Hz) 56 NR FRI TDD 8.34 9.56 10364 ADD 55 NR (CP-OPEN 100% RB, 10MHz, OPSK, 600Hz) 56 NR FRI TDD 8.34 9.56 10365 ADD 56 NR (CP-OPEN 100% RB, 15MHz, OPSK, 600Hz) 56 NR FRI TDD 8.34 9.56 10365 ADD 56 NR (CP-OPEN 100% RB, 15MHz, OPSK, 600Hz) 56 NR FRI TDD 8.37 9.56 10365 ADD 56 NR (CP-OPEN 100% RB, 20MHz, OPSK, 60Hz) 56 NR FRI TDD 8.34 9.56 10368 ADD 56 NR (CP-OPEN 100% RB, 80MHz, OPSK, 60Hz) 56 NR FRI TDD 8.34 9.56 10368 ADD 56 NR (CP-OPEN 100% RB, 80MHz, OPSK, 60Hz) 56 NR FRI TDD 8.41 9.56 10364 ADD 56 NR (CP-OPEN 100% RB, 80MHz, OPSK, 60Hz) 56 NR FRI TDD 8.41 9.56 10464 AD SG NR (CP-OPEN 100% RB, 80MHz, OPSK, 50Hz) 56 NR FRI TDD 8.41 9.56 10466 AD SG NR (CP-OPEN 100% RB, 80MHz, O				5G NR FR1 TDD	7.67	±9.6
19844 AD 5G NR (DP-OPEM, 50% RB, 20MHz, OPSK, 500Hz) SG NR FFH TOD 8.34 9.85 19854 AD SG NR (DP-OPEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TOD 8.34 9.85 19854 AD SG NR (DP-OPEM, 100% RB, 10MHz, OPSK, 500Hz) SG NR FFH TOD 8.37 9.86 19857 AD SG NR (DP-OPEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TOD 8.37 9.86 19859 AD SG NR (DP-OPEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TOD 8.36 4.86 19869 AD SG NR (DP-OFEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TOD 8.34 4.86 19869 AD SG NR (DP-OFEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TDD 8.34 4.86 19861 AD SG NR (DP-OFEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TDD 8.34 4.86 19864 AD SG NR (DP-OFEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TDD 8.41 4.86 19864 AD SG NR (DP-OFEM, 100% RB, 20MHz, OPSK, 500Hz) SG NR FFH TDD 8.46 4.86 4.86 4.86 4.86				5G NR FR1 TDD	7.71	±9.6
19846 AAD 56 NN FLOP-DDM, 55% RB, 30 MFz, QPSK, 60 KH2 56 NN FLOT DD 8.41 49.65 19856 AAD 56 NN GC-PCPM, 100% RB, 10 MHz, QPSK, 60 KH2 56 NN FLOT DD 8.36 49.65 19856 AAD 56 NN GC-PCPM, 100% RB, 20 MHz, QPSK, 60 KH2 56 NN FIT DD 8.36 49.65 19857 AAD 56 NN GC-PCPM, 100% RB, 20 MHz, QPSK, 60 KH2 56 NN FIT DD 8.36 49.65 19858 AAD 56 NN GC-PCPM, 100% RB, 20 MHz, QPSK, 60 KH2 56 NN FIT DD 8.38 49.65 19859 AAD 56 NN GC-PCPM, 100% RB, 20 MHz, QPSK, 60 KH2 56 NN FIT DD 8.34 4.86 19860 AAD 56 NN GC-PCPM, 100% RB, 60 MHz, QPSK, 60 KH2 56 NN FIT DD 8.41 4.86 19861 AAD 56 NN GC-PCPM, 100% RB, 60 MHz, QPSK, 60 KH2 56 NN FIT DD 8.41 4.86 19864 AAD 56 NN GC-PCPM, 100% RB, 100 MHz, QPSK, 80 HH2 56 NN FR1 TDD 5.88 4.86 19864 AAD 56 NN FOT=C-PCPM, 100% RB, 100 MHz, QPSK, 120 HH2 56 NN FR1 TDD 5.88 4.86 1.86 1.86				5G NR FR1 TDD	8.49	±9.6
10845 ADD 5G NN FICH-DEPM, 100% RB, 10MHz, QPSK, 601Hz) 5G NN FIRT TDD 8.38 2.56 10855 ADD 5G NN FICH-DEPM, 100% RB, 10MHz, QPSK, 601Hz) 5G NN FIRT TDD 8.38 4.56 10856 ADD 5G NN FICH-DEPM, 100% RB, 20MHz, QPSK, 601Hz) 5G NN FIRT TDD 8.38 4.56 10857 ADD 5G NN FICH-DEPM, 100% RB, 20MHz, QPSK, 601Hz) 5G NN FIRT TDD 8.38 4.56 10858 ADD 5G NN FICH-DEPM, 100% RB, 20MHz, QPSK, 601Hz) 5G NN FIRT TDD 8.38 4.56 10856 ADD 5G NN FICH-DEPM, 100% RB, 20MHz, QPSK, 601Hz) 5G NN FIRT TDD 8.34 4.56 10866 ADD 5G NN FIRT TDD 8.34 4.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.57 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56 1.56					8.34	±9.6
10855 ADD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 60HHz) 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 60Hz) 5G NR (PT TDD 8.38 486 10856 AAD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 60Hz) 5G NR (PT TDD 8.38 486 10858 AAD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 60Hz) 5G NR PR TDD 8.34 496 10868 AAD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 60Hz) 5G NR PR TDD 8.41 496 10864 AAD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 60Hz) 5G NR PR TDD 8.41 496 10864 AAD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 20Hz) 5G NR PR TDD 5.83 496 10864 AAD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 20Hz) 5G NR PR TDD 5.85 496 10864 AAD 5G NR (CP-CPDM, 100% RB, 20MHz, OPSK, 120Hz) 5G NR PR TDD 5.85 496 10864 AAD 5G NR (CP-CPDM, 108, 100MHz, OPSK, 120Hz) 5G NR PR TDD 5.75 496 1086			•		8.41	±9.6
10865 AAD 50 NR (CP-OPDM, 100% RB, 20MHz, QPSK, 60HHz) 56 NN FR1 TDD 8.37 4.98 10867 AAD 50 NR (CP-OPDM, 100% RB, 20MHz, QPSK, 60HHz) 56 NN FR1 TDD 8.36 4.96 10869 AAD 50 NR (CP-OPDM, 100% RB, 20MHz, QPSK, 60HHz) 56 NR FR1 TDD 8.34 4.96 10869 AAD 50 NR (CP-OPDM, 100% RB, 50MHz, QPSK, 60HHz) 56 NR FR1 TDD 8.41 4.96 10861 AAD 50 NR (CP-OPDM, 100% RB, 50MHz, QPSK, 60HHz) 56 NR FR1 TDD 8.41 4.96 10864 AAD 50 NR (CP-OPDM, 100% RB, 50MHz, QPSK, 60HHz) 56 NR FR1 TDD 8.41 4.96 10864 AAD 50 NR (CP-OPDM, 100% RB, 50MHz, QPSK, 50HHz) 50 NR FR1 TDD 5.88 4.86 10865 AAD 50 NR (DF-A-OPDM, 100% RB, 50MHz, QPSK, 50HHz) 50 NR FR1 TDD 5.88 4.96 10876 AAD 50 NR (DF-A-OPDM, 100% RB, 50MHz, QPSK, 50HHz) 50 NR FR1 TDD 5.88 4.96 10886 AAD 50 NR (DF-A-OPDM, 100% RB, 50MHz, QPSK, 50HHz) 50 NR FR1 TDD 5.88 4.96 1.96 1.96					8.34	<u>+</u> 9.6
10857 AAD SQ NR (CP-OFDM, 1009; RB, 25MHz, OPSK, 60Hz) SQ NR FR1 TDD 8.35 195 10858 AAD SG NR (CP-OFDM, 1009; RB, 20MHz, OPSK, 60Hz) SG NR FR1 TDD 8.34 1956 10859 AAD SG NR (CP-OFDM, 1007; RB, 40MHz, OPSK, 60Hz) SG NR FR1 TDD 8.34 1956 10860 AAD SG NR (CP-OFDM, 1007; RB, 50MHz, OPSK, 60Hz) SG NR FR1 TDD 8.41 496 10861 AAD SG NR (CP-OFDM, 1007; RB, 50MHz, OPSK, 60Hz) SG NR FR1 TDD 8.41 496 10884 AAD SG NR (CP-OFDM, 1007; RB, 50MHz, OPSK, 50Hz) SG NR FR1 TDD 8.41 +96 10886 AAD SG NR (DF2-OFDM, 1008; RB, 100MHz, OPSK, 50Hz) SG NR FR1 TDD 5.68 +98 10886 AAD SG NR (DF2-OFDM, 1008; RB, 100MHz, OPSK, 50Hz) SG NR FR1 TDD 5.68 +98 10886 AAD SG NR (DF1-OFDM, 1087; RB, 50MHz, OPSK, 50Hz) SG NR FR1 TDD 5.68 +98 10886 AAD SG NR (DF1-OFDM, 1087; RB, 100MHz, OPSK, 120Hz) SG NR FR2 TDD 5.68 +98 10877					8.36	±9.6
19858 AAD SG NR ICP-OFDM, 100% RB, 30MHz, OPSK, 60Hz) SG NR FR1 TDD 8.38 +96 10859 AAD SG NR ICP-OFDM, 100% RB, 50MHz, OPSK, 60Hz) SG NR FR1 TDD 8.44 +96 10861 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60Hz) SG NR FR1 TDD 8.44 +96 10861 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60Hz) SG NR FR1 TDD 8.41 +96 10864 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60Hz) SG NR FR1 TDD 8.41 +96 10865 AAD SG NR (CP-OFDM, 100% RB, 50MHz, OPSK, 60Hz) SG NR FR1 TDD 5.56 +96 10866 AAD SG NR (DFT-SOFDM, 100% RB, 100MHz, OPSK, 50Hz) SG NR FR1 TDD 5.56 +96 10870 AAE SG NR (DFT-SOFDM, 100% RB, 100MHz, 60SAK, 120Hz) SG NR FR2 TDD 5.56 +96 10871 AAE SG NR (DFT-SOFDM, 108, RB, 100MHz, 60SAK, 120Hz) SG NR FR2 TDD 5.56 +96 10872 AAE SG NR (DFT-SOFDM, 108, 100MHz, 60SAK, 120Hz) SG NR FR2 TDD 5.56 +96 10874 AE <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
19850 ADD 5G NR ICP-OFDM, 100%, RB, 40MHz, OPSK, 60MHz) 5G NR FR1 TDD 8.34 4.96 19860 ADD 5G NR ICP-OFDM, 100%, RB, 50MHz, OPSK, 60HHz) 5G NR FR1 TDD 8.41 4.96 19861 ADD 5G NR ICP-OFDM, 100%, RB, 50MHz, OPSK, 60HHz) 5G NR FR1 TDD 8.41 4.96 19862 ADD 5G NR ICP-OFDM, 100%, RB, 50MHz, OPSK, 60HHz) 5G NR FR1 TDD 8.41 4.96 19864 AD 5G NR ICP-OFDM, 100%, RB, 100MHz, OPSK, 50HHz) 5G NR FR1 TDD 5.84 4.96 19866 ADD 5G NR ICP-SOFDM, 100%, RB, 100MHz, OPSK, 30HHz) 5G NR FR1 TDD 5.88 4.98 19866 ADD 5G NR ICPT-SOFDM, 100%, RB, 100MHz, OPSK, 120HHz) 5G NR FR2 TDD 5.78 4.96 19871 AAE 5G NR ICPT-SOFDM, 100%, RB, 100MHz, IGCAM, 120HHz) 5G NR FR2 TDD 5.58 4.96 19872 AAE 5G NR ICPT-SOFDM, 100%, RB, 100MHz, IGCAM, 120HHz) 5G NR FR2 TDD 5.52 4.96 19872 AAE 5G NR ICPT-SOFDM, 100%, RB, 100MHz, IGCAM, 120HHz) 5G NR FR2 TDD 5.52 4.96					8.35	±9.6
10860 AAD 56 NR (CP-CPM, 100%, RB, 60MHz, CPSK, 60Hz) 56 NR FR1 TDD 8.41 19.5 10861 AAD 56 NR (CP-CPDM, 100%, RB, 60MHz, CPSK, 60Hz) 56 NR FR1 TDD 8.41 +9.6 10863 AAD 56 NR (CP-CPDM, 100%, RB, 90MHz, CPSK, 60Hz) 56 NR FR1 TDD 8.41 +9.6 10864 AAD 56 NR (CP-CPDM, 100%, RB, 90MHz, CPSK, 50Hz) 56 NR FR1 TDD 5.68 +9.6 10868 AAD 56 NR (CP-CPDM, 100%, RB, 90MHz, CPSK, 30Hz) 56 NR FR1 TDD 5.68 +9.6 10868 AAD 56 NR (CF-S-CPM, 100%, RB, 100MHz, CPSK, 30Hz) 56 NR FR2 TDD 5.75 +9.6 10870 AAE 56 NR (CF-S-CPM, 100%, RB, 100MHz, 162AK, 120Hz) 56 NR FR2 TDD 5.75 +9.6 10871 AAE 56 NR (CF-S-CPM, 1078, RB, 100MHz, 162AM, 120Hz) 56 NR FR2 TDD 5.75 +9.6 10873 AAE 56 NR (CF-S-CPM, 178, 100MHz, 162AM, 120Hz) 56 NR FR2 TDD 5.75 +9.6 10874 AAE 56 NR (CF-CPM, 178, 100MHz, 20FSK, 120Hz) 56 NR FR2 TDD 5.75 +9.6 10875				3		
ID861 ADD 65 NR (CP-OFDM, 100%, RB, 60 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 8.40 ±9.6 10884 AAD 56 NR (CP-OFDM, 100%, RB, 60 MHz, OPSK, 60 KHz) 56 NR FR1 TDD 8.41 ±9.6 10884 AAD 56 NR (CP-OFDM, 100%, RB, 100 MHz, QPSK, 60 KHz) 56 NR FR1 TDD 8.41 ±9.6 10886 ADD 56 NR (CP-OFDM, 100%, RB, 100 MHz, QPSK, 50 kHz) 56 NR FR1 TDD 5.83 ±9.6 10886 ADD 56 NR (CF-S-OFDM, 18, 100 MHz, QPSK, 30 kHz) 56 NR FR1 TDD 5.86 ±9.6 10886 ADD 56 NR (DF-S-OFDM, 100%, RB, 100 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 5.75 ±9.6 10871 AAE 56 NR (DF-S-OFDM, 100%, RB, 100 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 5.75 ±9.6 10872 AAE 56 NR (DF-S-OFDM, 100%, RB, 100 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 5.75 ±9.6 10874 AAE 56 NR (DF-S-OFDM, 100%, RB, 100 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 5.75 ±9.6 10874 AAE 56 NR (CP-OFDM, 108%, RD, 100 MHz, QPSK, 120 kHz) 56 NR FR2 TDD 5.89 ±9.6 <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · · ·</td>						· · · ·
10863 AAD 6G NR (CP-OFDM, 100%, RB, 80,MHz, OPSK, 60,Hz) 5G NR FR1 TDD 8.41 +9.8 10864 AAD SG NR (CP-OFDM, 100%, RB, 80,MHz, OPSK, 60,Hz) SG NN FR1 TDD 8.41 +9.6 10865 AAD SG NR (CP-OFDM, 100%, RB, 80,MHz, OPSK, 50,Hz) SG NN FR1 TDD 5.68 +9.6 10866 AAD SG NR (CP-S-OFDM, 100%, RB, 100,MHz, OPSK, 30,Hz) SG NN FR1 TDD 5.67 +9.6 10870 AAE SG NR (CPT-s-OFDM, 107%, RB, 100,MHz, OPSK, 120,Hz) SG NN FR2 TDD 5.75 +9.6 10871 AAE SG NR (CPT-s-OFDM, 178, 100,MHz, 102K, 120,Hz) SG NN FR2 TDD 5.52 +9.6 10872 AAE SG NR (DFT-s-OFDM, 178, 100,MHz, 102K, 120,Hz) SG NN FR2 TDD 5.52 +9.6 10873 AAE SG NN (CPT-s-OFDM, 178, 100,MHz, 102K, 120,Hz) SG NN FR2 TDD 5.65 +9.6 10874 AAE SG NN (CPT-sOFDM, 178, 100,MHz, CPSK, 120,Hz) SG NN FR2 TDD 6.65 +9.6 10874 AAE SG NN (CPT-sOFDM, 118, 100,MHz, CPSK, 120,Hz) SG NN FR2 TDD 6.53 +9.6 <				· • • · · · · · · · · · · · · · · · · ·		
10845 AAD 5G NR FR1 TDD 6.8.7 1.8.8 10865 AAD SG NR FR1 TDD 6.8.7 1.8.8 10865 AAD SG NR FR1 TDD 5.8.1 1.9.6 10866 AAD SG NR FR1 TDD 5.8.8 1.9.6 10866 AAD SG NR FR1 TDD 5.8.8 1.9.6 10889 AAE SG NR FR1 TDD 5.8.8 1.9.6 10889 AAE SG NR FR2 TDD 5.7.5 1.9.6 10871 AAE SG NR (DFT-s-OFDM, 100% R8, 100MHz, QPSK, 120HHz) SG NR FR2 TDD 5.7.5 1.9.6 10872 AAE SG NR (DFT-s-OFDM, 100% R8, 100MHz, QPSK, 120HHz) SG NR FR2 TDD 5.7.5 1.9.6 10872 AAE SG NR (DFT-s-OFDM, 100% R8, 100MHz, QPSK, 120HHz) SG NR FR2 TDD 6.5.7 1.9.6 10874 AAE SG NR (CP-OFDM, 100% R8, 100MHz, QPSK, 120HHz) SG NR FR2 TDD 6.5.7 1.9.6 10877 AAE SG NR (CP-OFDM, 100% R8, 100MHz, QPSK, 120HHz) SG NR FR2 TDD 8.38 1.9.6 10877		1				
10865 AAD 5G NR RP CP-OFDM, 100% RB, 100 MHz, OPSK, 30 H42) 5G NR RP1 TDD 5.84 1.9.6 10866 AAD 5G NR (DFT-s-OFDM, 17 RB, 100 MHz, OPSK, 30 H42) 5G NR RP1 TDD 5.68 1.9.6 10866 AAD 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, OPSK, 30 H42) 5G NR FR1 TDD 5.589 1.9.6 10870 AAE 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 H42) 5G NR FR2 TDD 5.75 1.9.6 10871 AAE 5G NR (DFT-s-OFDM, 107% RB, 100 MHz, OPSK, 120 H42) 5G NR FR2 TDD 5.75 1.9.6 10872 AAE 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 H42) 5G NR FR2 TDD 5.75 1.9.6 10873 AAE 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 4GAM, 120 H42) 5G NR FR2 TDD 6.651 1.9.6 10874 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 4GAM, 120 H42) 5G NR FR2 TDD 6.8.3 1.9.6 10876 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 4GAM, 120 H42) 5G NR FR2 TDD 6.8.3 1.9.6 10876 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 4GAM, 120 H42) 5G NR FR2 TDD 6.8.1	1	4				
10866 AD SG NR FRT TDD 5.88 4.98 10868 AAD SG NR (DFT=-OFDM, 1RB, 100MHz, QPSK, 30KHz) SG NR FR1 TDD 5.89 19.6 10868 AAD SG NR (DFT=-OFDM, 1RB, 100MHz, QPSK, 120KHz) SG NR FR2 TDD 5.86 49.6 10871 AAE SG NR (DFT=-OFDM, 1RB, 100MHz, QPSK, 120KHz) SG NR FR2 TDD 5.86 49.6 10871 AAE SG NR (DFT=-OFDM, 1RB, 100MHz, QPSK, 120KHz) SG NR FR2 TDD 6.52 19.6 10872 AAE SG NR (DFT=-OFDM, 1RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.52 19.6 10873 AAE SG NR (DFT=-OFDM, 1RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.51 19.6 10874 AAE SG NR (CP-OFDM, 1RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 7.78 19.6 10877 AAE SG NR (CP-OFDM, 1RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 7.95 +9.6 10877 AAE SG NR (CP-OFDM, 1RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 8.38 +9.6 10877 AAE SG NR (CP-OFDM, 1RB, 100MHz, 40AAM, 120KHz)<		1 .		1		
10888 AAD SG NR (DFT-s-OFDM, 100%, RB, 100MHz, QFSK, 30kHz) SG NR FR1 TDD 5.88 ±9.6 10869 AAE SG NR (DFT-s-OFDM, 100%, RB, 100MHz, QFSK, 120KHz) SG NR FR2 TDD 5.75 ±9.6 10870 AAE SG NR (DFT-s-OFDM, 100%, RB, 100MHz, QFSK, 120KHz) SG NR FR2 TDD 5.75 ±9.6 10871 AAE SG NR (DFT-s-OFDM, 100%, RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.65 ±9.6 10874 AAE SG NR (DFT-s-OFDM, 100%, RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.65 ±9.6 10874 AAE SG NR (DFT-s-OFDM, 100%, RB, 100MHz, 64QAM, 120KHz) SG NR FR2 TDD 6.66 ±9.6 10876 AAE SG NR (DF-OFDM, 188, 100MHz, 64QAM, 120KHz) SG NR FR2 TDD 8.39 ±9.6 10877 AAE SG NR (CP-OFDM, 188, 100MHz, 64QAM, 120KHz) SG NR FR2 TDD 8.41 ±9.6 10877 AAE SG NR (CP-OFDM, 188, 100MHz, 64QAM, 120KHz) SG NR FR2 TDD 8.41 ±9.6 10877 AAE SG NR (CP-OFDM, 100%, RB, 100MHz, 64QAM, 120KHz) SG NR FR2 TDD 8.51 ±9.6 <						
10889 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 HHz) 5G NR FR2 TDD 5.75 19.6 10970 AAE 5G NR (DFTs-OFDM, 100%, RB, 100 MHz, QPSK, 120 HHz) 5G NR FR2 TDD 5.75 19.6 10871 AAE 5G NR (DFTs-OFDM, 18, 100 MHz, QPSK, 120 HHz) 5G NR FR2 TDD 6.52 19.6 10872 AAE 5G NR (DFTs-OFDM, 18, 100 MHz, 4GAM, 120 HHz) 5G NR FR2 TDD 6.65 19.6 10874 AAE 5G NR (DFTs-OFDM, 18, 100 MHz, 260 AM, 120 HHz) 5G NR FR2 TDD 6.65 19.6 10876 AAE 5G NR (DFTs-OFDM, 10%, RB, 100 MHz, 102 KHz) 5G NR FR2 TDD 8.39 19.6 10876 AAE 5G NR (CP-OFDM, 10%, RB, 100 MHz, 106 AHz) 5G NR FR2 TDD 8.39 19.6 10877 AAE 5G NR (CP-OFDM, 10%, RB, 100 MHz, 106 AHz) 5G NR FR2 TDD 8.38 19.6 10879 AAE 5G NR (CP-OFDM, 10%, RB, 100 MHz, 106 AHz) 5G NR FR2 TDD 8.12 19.6 10880 AAE 5G NR (DFTs-OFDM, 10%, RB, 50 MHz, 020 KHz) 5G NR FR2 TDD 5.75 19.6 10888						
10870 AAE 5G NR (DFTs-OFDM, 100% RB, 100MHz, 0PSK, 120KHz) 5G NR FR2 TDD 5.86 ±9.6 10871 AAE 5G NR (DFTs-OFDM, 108, 100 MHz, 16GAM, 120 KHz) 5G NR FR2 TDD 6.52 49.6 10872 AAE 5G NR (DFTs-OFDM, 108, 100 MHz, 16GAM, 120 KHz) 5G NR FR2 TDD 6.61 49.6 10873 AAE 5G NR (DFTs-OFDM, 108, 100 MHz, 4GAM, 120 KHz) 5G NR FR2 TDD 6.65 ±9.6 10874 AAE 5G NR (DFTs-OFDM, 108, RB, 100 MHz, 4GAM, 120 KHz) 5G NR FR2 TDD 7.78 ±9.6 10875 AAE 5G NR (DF-OFDM, 108, RB, 100 MHz, 4GAM, 120 KHz) 5G NR FR2 TDD 7.78 ±9.6 10876 AAE 5G NR (DF-OFDM, 18B, 100 MHz, 4GAM, 120 KHz) 5G NR FR2 TDD 8.41 ±9.6 10877 AAE 5G NR (DFTs-OFDM, 108, 100 MHz, 4GAM, 120 KHz) 5G NR FR2 TDD 8.12 ±9.6 10880 AAE 5G NR (DFTs-OFDM, 108, 100 MHz, 4GAM, 120 KHz) 5G NR FR2 TDD 5.75 ±9.6 10880 AAE 5G NR (DFTs-OFDM, 18B, 50 MHz, 0PSK, 120 KHz) 5G NR FR2 TDD 5.75 ±9.6				······································		
10871 AÆ 5G NR (DFT=-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz) 5G NR RP2 TDD 5.75 ±9.6 10872 AÆ 5G NR (DFT=-OFDM, 100% RB, 100 MHz, 6QAM, 120 KHz) 5G NR RP2 TDD 6.52 ±9.6 10873 AÆ 5G NR (DFT=-OFDM, 100% RB, 100 MHz, 6QAM, 120 KHz) 5G NR RP2 TDD 6.65 ±9.6 10874 AÆ 5G NR (DFT=-OFDM, 100% RB, 100 MHz, 6QAM, 120 KHz) 5G NR RP2 TDD 6.65 ±9.6 10875 AÆ 5G NR (DF-OFDM, 18, 100 MHz, GPSK, 120 KHz) 5G NR RP2 TDD 7.78 ±9.6 10876 AÆ 5G NR (DF-OFDM, 108% RB, 100 MHz, GPSK, 120 KHz) 5G NR RP2 TDD 8.41 ±9.6 10877 AÆ 5G NR (DF-OFDM, 100% RB, 100 MHz, 6GAM, 120 KHz) 5G NR RP2 TDD 8.41 ±9.6 10878 AÆ 5G NR (DFT=-OFDM, 100% RB, 50 MHz, 6GAM, 120 KHz) 5G NR RP2 TDD 8.41 ±9.6 10880 AÆ 5G NR (DFT=-OFDM, 100% RB, 50 MHz, 0CPSK, 120 KHz) 5G NR RP2 TDD 5.75 ±9.6 10881 AE 5G NR (DFT=-OFDM, 100% RB, 50 MHz, 102 KHz) 5G NR RP2 TDD 5.53 ±9.6						
10872 AAE SG NR (DFTs-OFDM, 100% RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.61 49.6 10873 AAE SG NR (DFTs-OFDM, 100% RB, 100MHz, 64QAM, 120KHz) SG NR FR2 TDD 6.65 49.6 10874 AAE SG NR (PT-s-OFDM, 100% RB, 100MHz, 64QAM, 120KHz) SG NR FR2 TDD 6.65 49.6 10875 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, GPSK, 120KHz) SG NR FR2 TDD 7.78 49.6 10876 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, GPSK, 120KHz) SG NR FR2 TDD 8.39 49.6 10877 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, GCAM, 120 KHz) SG NR FR2 TDD 8.41 49.6 10877 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, GCAM, 120 KHz) SG NR FR2 TDD 8.12 49.6 10880 AAE SG NR (CP-OFDM, 18, 100 MHz, 64QAM, 120 KHz) SG NR FR2 TDD 8.31 49.6 10881 AAE SG NR (DFTs-OFDM, 178, 50 MHz, QPSK, 120 KHz) SG NR FR2 TDD 5.57 49.6 10882 AAE SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 KHz) SG NR FR2 TDD 5.53 49.6						
10873 AAE 5G NR (PF-s-OFDM, 18R, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10874 AAE 5G NR (DF-s-OFDM, 18R, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10875 AAE 5G NR (CP-OFDM, 18R, 100 MHz, 0FSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10876 AAE 5G NR (CP-OFDM, 18R, 100 MHz, 0FSK, 120 kHz) 5G NR FR2 TDD 8.39 ±9.6 10877 AAE 5G NR (CP-OFDM, 18R, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.14 ±9.6 10878 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.12 ±9.6 10879 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ±9.6 10880 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10883 AAE 5G NR (DFT-s-OFDM, 10% RB, 50 MHz, QFSK, 120 kHz) 5G NR FR2 TDD 5.53 ±9.6 10884 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 120 kHz) 5G NR FR2 TDD 5.63 ±9.6 10886 AAE 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
10874 AAE 5G NR (CP-OFDM, 100% RB, 100/MHz, 64QAM, 120/Hz) 5G NR FR2 TDD 6.65 ±9.6 10875 AAE 5G NR (CP-OFDM, 100% RB, 100/MHz, QPSK, 120/Hz) 5G NR FR2 TDD 7.78 ±9.6 10876 AAE 5G NR (CP-OFDM, 100% RB, 100/MHz, QPSK, 120/Hz) 5G NR FR2 TDD 7.95 ±9.6 10877 AAE 5G NR (CP-OFDM, 18, 100 MHz, QPSK, 120/Hz) 5G NR FR2 TDD 8.41 ±9.6 10877 AAE 5G NR (CP-OFDM, 18, 100 MHz, 40AM, 120/Hz) 5G NR FR2 TDD 8.41 ±9.6 10870 AAE 5G NR (CP-OFDM, 18, 100 MHz, 40AM, 120/Hz) 5G NR FR2 TDD 8.38 ±9.6 10880 AAE 5G NR (CP-OFDM, 18, 100 MHz, QPSK, 120/Hz) 5G NR FR2 TDD 6.57 ±9.6 10881 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120/Hz) 5G NR FR2 TDD 6.57 ±9.6 10883 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120/Hz) 5G NR FR2 TDD 6.53 ±9.6 10884 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120/Hz) 5G NR FR2 TDD 6.55 ±9.6 10886 <td></td> <td></td> <td>5G NR (DFT-S-OFDM, 100% RB, 100 MHZ, 16QAM, 120 KHZ)</td> <td></td> <td></td> <td></td>			5G NR (DFT-S-OFDM, 100% RB, 100 MHZ, 16QAM, 120 KHZ)			
10875 ARE 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.6 10876 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.39 ±9.6 10877 AAE 5G NR (CP-OFDM, 18, 100 MHz, QACM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10878 AAE 5G NR (CP-OFDM, 18, 100 MHz, 4GAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10870 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.38 ±9.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 5.75 ±9.6 10881 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 0PSK, 120 kHz) 5G NR FR2 TDD 5.96 ±9.6 10882 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.57 ±9.6 10884 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 40AM, 120 kHz) 5G NR FR2 TDD 6.53 ±9.6 10886 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 40AM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6						
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10892 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 8.41 ±9.6 10897 AAC 5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.66 ±9.6 10898 AAB 5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10809 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD </td <td>10891</td> <td>AAE</td> <td></td> <td></td> <td></td> <td></td>	10891	AAE				
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10898 AAB 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD	10897	AAC				
10899 AAB 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1	10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	· · · · · · · · · · · · · · · · · · ·		
10900 AAB 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6	10899	AAB		1		
10901 AAB 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 <t< td=""><td>10900</td><td>AAB</td><td></td><td>1</td><td></td><td></td></t<>	10900	AAB		1		
10902 AAB 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904 AAB 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6		AAB		5G NR FR1 TDD	5.68	• • • • • • • • • • • • • • • • • • • •
10905 AAB 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	<u> </u>	AAB		5G NR FR1 TDD	5.68	
10906 AAB 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6				5G NR FR1 TDD	5.68	±9.6
10907 AAC 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6	L	AAB		5G NR FR1 TDD	5.68	±9.6
10908 AAB 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6			5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6				5G NR FR1 TDD	5.78	±9.6
	J			5G NR FR1 TDD	5.93	±9.6
10910 AAB 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.83 ±9.6					5.96	<u>+9,6</u>
	10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	<u>±9.6</u>

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917 10918	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.86 5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6 ±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	<u>+</u> 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 10933	AAC 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
10933	AAC	5G NR (DFI-s-OFDM, TRB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.51 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 ±9.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	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	<u>+9.6</u>
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	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% R8, 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, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.81	±9.6
10945 10946	AAC 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, 15MHz, QPSK, 15kHz) 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.83	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.87 5.94	±9.6 ±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 10962	AAB AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15KHz) 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15KHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.40 9.55	±9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6 ±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.25	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
10980	AAA	ULLA HDR8	ULLA	10.32	±9.6
10981 10982	AAA AAA	ULLA HDRp4 ULLA HDRp8	ULLA	3.19	±9.6
10.905	L WWW		ULLA	3.43	<u>±</u> 9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
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	<u>±9,6</u>
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	<u>+9.6</u>
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	<u>±9,6</u>
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

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

Calibration Laboratory of

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





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Accreditation	No.:	SCS	0108
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Client	Element		Certificate No	EX-7639_Nov22
CAL	IBRATION CEF	RTIFICATE		1/42
Object		EX3DV4 - SN:7639		ATA
2. *	tion procedure(s)			5, QA CAL-23.v\$, 7/6/77
Calibra	tion date	November 14, 2022	osimetric E-neid pr	odes
This ca The me	libration certificate docun asurements and the unc	nents the traceability to national standa ertainties with confidence probability ar	rds, which realize the ph e given on the following	ysical units of measurements (SI). bages and are part of the certificate.

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
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)	04-Apr-22 (No. 217-03527)	Apr-23
DAE4	SN: 660	10-Oct-22 (No. DAE4-660_Oct22)	Oct-23
Reference Probe ES3DV2	SN: 3013	27-Dec-21 (No. ES3-3013 Dec21)	Dec-22

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	Jeffrey Katzman	Laboratory Technician	J. Arm
Approved by	Sven Kühn	Technical Manager	Sile
This calibration certificate	e shall not be reproduced except in	full without written approval of the la	Issued: November 18, 2022 boratory.

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С Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

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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 φ	arphi rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ MHz in TEM-cell; f > 1800 MHz: R22 waveguide), NORMx,v,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E2-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- · DCPx, y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode,
- · ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \le 800 \text{ MHz}$) 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 (<i>k</i> = 2)	
Norm (μ V/(V/m) ²) A	0.63	0.63	0.63	±10.1%	
DCP (mV) ^B	111.5	112.0	110.4	±4.7%	

Calibration Results for Modulation Response

UID	Communication System Name		A	B	С	D	VR	Max	Max
			dB	dBõV		dB	mV	dev.	UncE
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	162.6	±3.0%	±4.7%
		Y	0.00	0.00	1.00		148.7		
		Z	0.00	0.00	1.00		160.5		
10352	Pulse Waveform (200Hz, 10%)	X	1.38	60.00	6.02	10.00	60.0	±3.3%	±9.6%
		Y	1.60	60.86	6.26		60.0		
		Z	1.85	62.33	7.54]	60.0		
10353	Pulse Waveform (200Hz, 20%)	X	0.86	60.00	4.93	6.99	80.0	±2.6%	±9.6%
		Y	0.89	60.00	4.87	1	80.0		
		Z	0.85	60.00	5.46	1	80.0		
10354	Pulse Waveform (200Hz, 40%)	Х	0.19	137.07	0.00	3.98	95.0	±2.8%	±9.6%
		Y	0.52	60.00	3.78		95.0		
		Z	4.00	68.00	7.00	1	95.0		
10355	Pulse Waveform (200Hz, 60%)	X	8.83	157.69	19.63	2.22	120.0	±1.9%	±9.6%
		Y	12.11	155.03	1.83		120.0		
		Z	10.78	155.68	9.61		120.0		
10387	QPSK Waveform, 1 MHz	X	0.46	60.66	9.66	1.00	150.0	±4.8%	±9.6%
		Y	0.45	61.71	10.71		150.0		
		Z	0.47	60.89	10.00		150.0		
10388	QPSK Waveform, 10 MHz	X	1.15	63.11	12.16	0.00	150.0	±1.3%	±9.6%
		Y	1.19	64.60	12.82		150.0		
		Z	1.29	64.71	13.02		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.67	64.33	15.75	3.01	150.0	±0.9%	±9.6%
		Y	1.76	65.29	16.04		150.0		
		Z	1.70	64.54	15.73		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.78	65.75	14.53	0.00	150.0	±2.7%	±9.6%
		Y	2.70	65.89	14.62		150.0		
		Z	2.79	65.83	14.62		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.84	65.59	14.89	0.00	150.0	±4.7%	±9.6%
		Y	3.83	66.42	15.23		150.0		
		Z	3.83	65.60	14.93		150.0		

Note: For details on UID parameters see Appendix

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

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

E Linearization parameter uncertainty for maximum specified filed 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 ⁻¹	T1 msV ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
x	11.2	80.48	32.67	5.42	0.00	4.93	0.51	0.00	1.01
У	9.1	63.53	31.38	6.37	0.00	4.90	0.61	0.00	1.00
Z	11.1	79.56	32.55	6.14	0.00	4.97	0.67	0.00	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-79.1°
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.

Parameters of Probe: EX3DV4 - SN:7639

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (<i>k</i> = 2)
750	41.9	0.89	10.71	10.71	10.71	0.56	0.80	±12.0%
835	41.5	0.90	10.75	10.75	10.75	0.45	0.80	±12.0%
1750	40.1	1.37	9.30	9.30	9.30	0.37	0.86	±12.0%
1900	40.0	1.40	9.12	9.12	9.12	0.33	0.86	±12.0%
2300	39.5	1.67	8.90	8.90	8.90	0.29	0.90	±12.0%
2450	39.2	1.80	8.62	8.62	8.62	0.34	0.90	±12.0%
2600	39.0	1.96	8.33	8.33	8.33	0.40	0.90	±12.0%

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 ±110 MHz.

F At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

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

Parameters of Probe: EX3DV4 - SN:7639

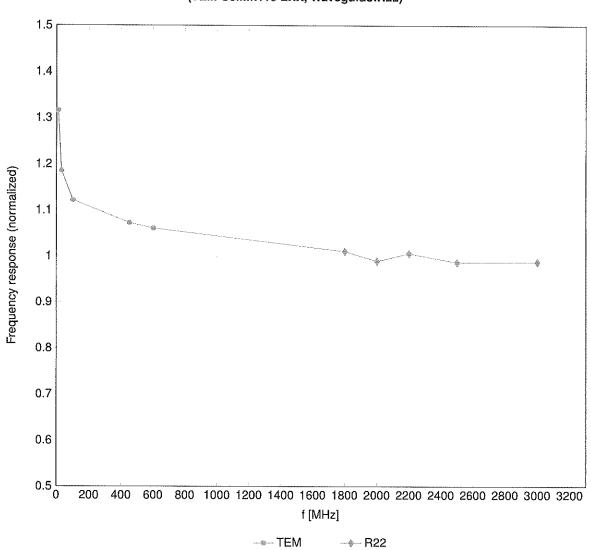
f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (<i>k</i> = 2)
750	55.5	0.96	10.83	10.83	10.83	0.33	1.01	±12.0%
835	55.2	0.97	10.60	10.60	10.60	0.41	0.93	±12.0%
1750	53.4	1.49	9.36	9.36	9.36	0.42	0.86	±12.0%
1900	53.3	1.52	8.96	8.96	8.96	0.44	0.86	±12.0%
2300	52.9	1.81	8.95	8.95	8.95	0.43	0.90	±12.0%
2450	52.7	1.95	8.78	8.78	8.78	0.41	0.90	±12.0%
2600	52.5	2.16	8.48	8.48	8.48	0.32	0.90	±12.0%

Calibration Parameter Determined in Body 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 At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for

indicated target tissue parameters.

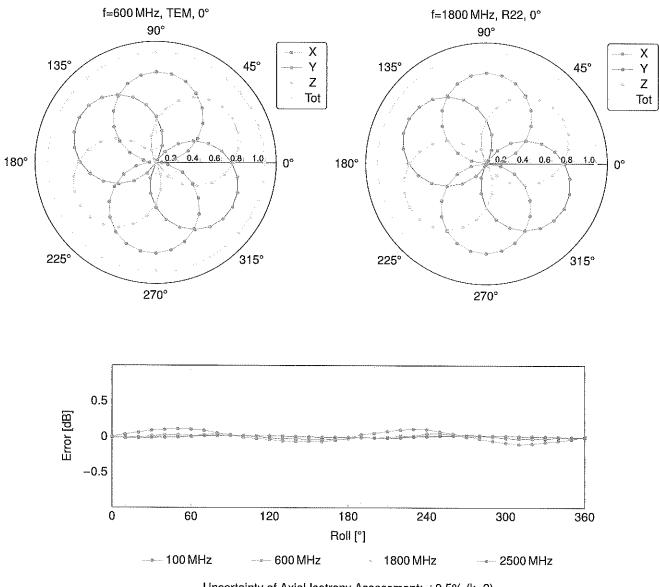
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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



Frequency Response of E-Field

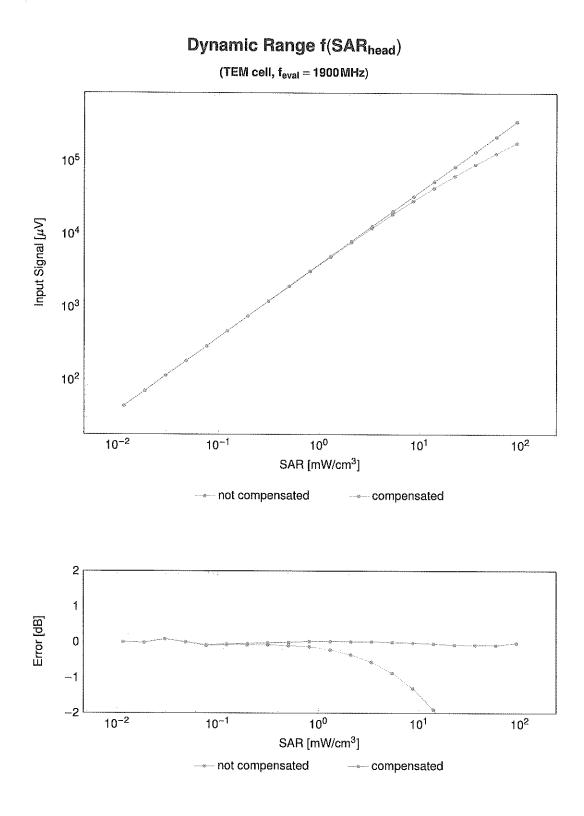
(TEM-Cell:ifi110 EXX, Waveguide:R22)

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



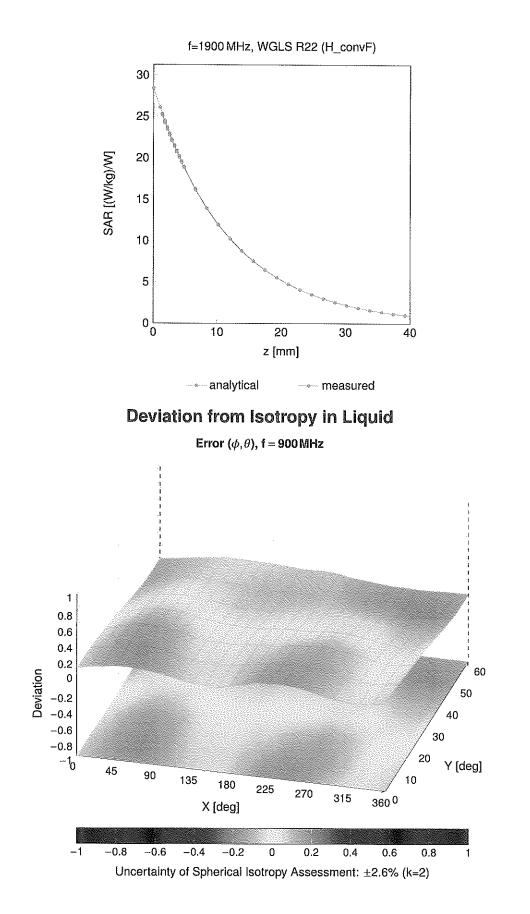
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ (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)	$Unc^E k = 2$
0		CW	CW	0.00	
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±4.7
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		±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.46	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.39	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)		9.57	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	6.56	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	12.62	±9.6
10020	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	9.55	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	4.80	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	3.55	±9.6
10029	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	GSM	7.78	±9.6
10030	CAA		Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
		IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN		
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	9.94 10.30	±9.6 ±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.30	
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.77	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 44 Mbps)	WLAN		±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	11.00	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	3.97	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	4.77	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	6.56	±9.6
10097	CAC	UMTS-FDD (HSUPA, Subtest 2)		3.98	±9.6
10098	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	WCDMA	3.98	±9.6
101099	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	GSM	9,55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	6.60	±9.6
10103			LTE-TDD	9.29	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
10111	CAH		LTE-FDD	6.44	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	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 (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
10142	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	6.60	±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	9.28	±9.6 ±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6 ±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 AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10172	CAH	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 13-QAM)	LTE-TOD	9,48	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	10.25	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD LTE-FDD	5.72 6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6 ±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197 10198	CAD CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.27	±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAD	IEEE 802.11n (HT Mixed, 12.2 Mops, 64-QAM)	WLAN WLAN	8.27	±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	±9.6
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.48	±9.6
				8.08	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9,23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278 10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	11.81	±9.6
	CAA		PHS	12,18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293 10295	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB AAE	CDMA2000, RC1, SO3, 1/8th Rate 25 fr. 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
		LIL: DU (30-PUMA, 30% RB, 3 MIRZ, QF3X)	LTE-FDD	5.72 6.39	±9.6
10298	AAE	THE END (SO EDMA END SAME 40 OAAA			±9.6
10298 10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD		
10298 10299 10300	AAE AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6,60	±9.6
10298 10299 10300 10301	AAE AAE AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	LTE-FDD WIMAX	6.60 12.03	±9,6 ±9.6
10298 10299 10300 10301 10302	AAE AAE AAA AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	LTE-FDD WIMAX WIMAX	6.60 12.03 12.57	±9.6 ±9.6 ±9.6
10298 10299 10300 10301 10302 10303	AAE AAE AAA AAA AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	LTE-FDD WIMAX WIMAX WIMAX	6.60 12.03 12.57 12.52	+9.6 +9.6 +9.6 +9.6
10298 10299 10300 10301 10302	AAE AAE AAA AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	LTE-FDD WIMAX WIMAX	6.60 12.03 12.57	±9.6 ±9.6 ±9.6

1997 AAA JEFE 802.156 WIAAX (20:15, 10:no, 10.MHz, 105XA, PUSC) WMAAX 14.46 556 1998 AAA REEE 802.156 WIAAX (20:15, 10:no, 10.MHz, 190XA, AUC 22, 18 symbols) WMAAX 14.46 556 1998 AAA REEE 802.156 WIAAX (20:15, 10:no, 10.MHz, 197SA, AUA 22, 18 symbols) WMAAX 14.57 2856 1981 AAA DEE Nor 16 MAAK (20:15, 10:no, 10.MHz, 07SK, AUA 22, 18 symbols) WMAAX 14.58 1566 1567 1567 1567 1567 1568 1464 1566 1567 1567 1568 1567 1568 1567 1567 1568 1567 1568	UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
1998 AAA LEEE 802.16 WIMAX (2011.5.1 mm. 10.0Hk.; 195X/AAA, AMC 263, 18 symbols) WMAX 14.57 456 1031 AAA EEE 802.16 WIMAX (2011.5.1 mm. 10.0Hk.; 0PSX/AAA, 2005.3 18 symbols) WMAX 14.57 456 1031 AAA EEE 802.1 16 WIM (2011.5.1 mm. 10.0Hk.; 0PSX/AAA, 2005.3 18 symbols) WMAX 14.57 456 1031 AAA EEE 802.1 16 WIM 2.4 CH2 (DSSS; 1Mkps, 6gbc duty cycle) WLAN 1.71 158.6 1031 AAA EEE 802.1 16 WIM 2.4 CH2 (DSSS; 1Mkps, 6gbc duty cycle) WLAN 8.26 4.56 10317 AAD EEE 802.1 16 WIM 2.4 CH2 (DSSS; 1Mkps, 6gbc duty cycle) WLAN 8.26 4.56 10383 AAA Pubs Wawform Coolet; 2(Nk) Gebrurf; 6.59 4.56 10385 AAA Pubs Wawform Coolet; 2(Nk) Gebrurf; 6.59 4.56 10385 AAA Pubs Wawform; 10.0Hz Gebrurf; 6.57 4.56 10386 AAA Gebrurf; 6.57 4.56 4.56 10386 AAA Gebrurf; Gebrurf; <		· · · · · · · · · · · · · · · · · · ·	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	±9.6
10110 AvA EEE 802.16 withAV (25:16, 10ms, 10MHz, OFSK, AMC 26.3, 18 synrobis) WithAV 14.57 10.6 10311 AAE LE-FDO (3C-FMAL 100X; RB, 15MHz, OFSK) 10EN 10.6 45.6 10311 AAE LE-FDO (3C-FMAL 100X; RB, 15MHz, OFSK) 10EN 10.8 45.6 10311 AAB LEE 802.11 WHI 2.4 GHz (DSSS, 15Mpa, 6go duty cycle) WLAN 5.3 45.6 10311 AAD LEE 802.11 WHI 5.4 GHz (DSSS, 15Mpa, 6go duty cycle) WLAN 5.3 45.6 10315 AAD LEE 802.11 WHI 5.4 GHz (DSSS, 15Mpa, 6go duty cycle) WLAN 5.3 45.6 10316 AAA Fulse Warderm Courbez, 70%) Generic 6.39 45.6 10326 AAA Fulse Warderm Courbez, 70%) Generic 6.37 45.6 10336 AAA Fulse Warderm Courbez, 70%) Generic 6.37 45.6 10387 AAA Fulse Warderm Courbez, 70%) Generic 6.27 45.6 10388 AA Fulse Warderm Courbez, 70%) Generic 6.27 <td< td=""><td></td><td></td><td></td><td>WIMAX</td><td>14.46</td><td>±9,6</td></td<>				WIMAX	14.46	±9,6
10311 AAE LTF-FDD (CF-PDM, 100F, RB, 15MHz, GPSK) UTF-FDD (DF) 10.61 456 10313 AAA DEN1 3 DEN1 13 DEN 10.61 456 10314 AAA DEN1 3 DEN 10.61 456 456 10315 AAB EEE 602.11 WHIP 2.4 OHz (EPR-PT/M, 6Mbps, 80pc duty cycle) WLAN 8.36 456 10316 AAB EEE 602.11 WHIP 2.4 OHz (EPRM, 6Mbps, 80pc duty cycle) WLAN 8.36 456 10385 AAA Pube Waekerm (200Hz, 20%) Generic 6.59 456 10385 AAA Pube Waekerm (200Hz, 80%) Generic 5.10 5.88 9.86 10385 AAA Pube Waekerm (200Hz, 80%) Generic 5.22 2.85 10386 AAA Pube Waekerm (200Hz, 80%) Generic 5.27 45.5 10386 AAA Pole Waekerm (200Hz, 80%) Generic 5.27 45.6 10388 AAA OPSK Waekerm, 10.0Hz Generic 5.27 45.6 10388 <td></td> <td></td> <td>IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)</td> <td>WIMAX</td> <td>14.58</td> <td>±9.6</td>			IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.6
10313 AAA DEN 10.61 19.65 10341 AAB IEEB 00.211 (bW Fill 2.4 GHz (DSSS, 1 Mbps, 56pc duly cycle) WLAN 5.6 10315 AAB IEEB 00.211 (bW Fill 2.4 GHz (DFORM, 6 Mbps, 96pc duly cycle) WLAN 5.86 5.96 10317 AAD IEEB 00.211 (bW Fill 2.4 GHz (GFOR OFORM, 6 Mbps, 96pc duly cycle) WLAN 5.86 5.96 10385 AAA Pube Waveform (200Hz, 25%) Generic 5.00 2.96 10385 AAA Pube Waveform (200Hz, 25%) Generic 5.92 9.86 10385 AAA Pube Waveform (200Hz, 25%) Generic 6.27 9.86 10386 AAA Pube Waveform (200Hz, 25%) Generic 6.27 9.86 10386 AAA GPSK Waveform, 100 Hz; Generic 6.27 9.86 10386 AAA GPSK Waveform, 100 Hz; Generic 6.27 9.86 10386 AAA GPSK Waveform, 100 Hz; Generic 6.27 9.86 10386 AAA GPSK Waveform, 100 Hz; </td <td></td> <td></td> <td></td> <td>WIMAX</td> <td>14.57</td> <td>±9.6</td>				WIMAX	14.57	±9.6
10314 AAA DEN 13.46 19.46 10315 AAS IEEE 00.211 bw/Fi 2.4 GHz (CPR-OFDM, & Mpp, 90p. duty cycle) WLAN 8.26 956 10316 AAS IEEE 00.211 bw/Fi 2.4 GHz (CPR-OFDM, & Mpp, 90p. duty cycle) WLAN 8.26 956 10387 AAD IEEE 00.211 bw/Fi 2.4 GHz (CPR-OFDM, & Mpp, 90p. duty cycle) WLAN 8.26 956 10383 AAA Pulse Waveform (200Hz, 1795) Generic 0.69 956 10385 AAA Pulse Waveform (200Hz, 1795) Generic 2.22 956 10385 AAA Pulse Waveform (200Hz, 0795) Generic 6.27 956 10388 AAA OPSK Waveform, 10 MHz Generic 6.27 956 10388 AAA OPSK Waveform, 10 MHz Generic 6.27 956 10389 AAA OPSK Waveform, 10 MHz Generic 6.27 956 10389 AAA OPAK Waveform, 20 MHz Generic 6.27 956 10404 AE CDMA20000 (IEV-VDO, R				LTE-FDD	6.06	±9.6
10315 AAB IEEE 602,110 WH 2.4 GHz (2658); 140eps, 6ge cuty cycle) VILAN 8.36 956 10317 AAB IEEE 602,110 WH 2.4 GHz (2679-CMM, 600ps, 6ge cuty cycle) WILAN 8.36 956 10317 AAB IEEE 602,110 WH 2.6 GHz (2074), 1053 Generic 10.00 958 10382 AAA Pulse Waveform (2004b; 20%) Generic 5.99 956 10385 AAA Pulse Waveform (2004b; 20%) Generic 5.99 956 10385 AAA Pulse Waveform (2004b; 20%) Generic 5.27 956 10385 AAA Pulse Waveform (2004b; 20%) Generic 5.27 956 10389 AAA 64-DAM Waveform, 100 Hz Generic 6.27 956 10389 AAA 64-DAM Waveform, 100 Hz Generic 6.27 958 10404 AAE IEFF 602,11ac WHF (20MHz, 64-CAA), 90pc duty cycle) WILAN 8.63 956 10404 AAE IEFF 602,11ac WHF (20MHz, 64-CAA), 90pc duty cycle) WILAN 8.63 956				IDEN	10.51	±9.6
10316 AMB IEEE 60.211 (WF) 24 GHz (ERP-OFDM, 6 Mbps, 90pc duty cycle) WLAN 9.86 9.96 10387 ADJ IEEE 60.211 (WF) 26 GHz (CFDM, 6 Mbps, 90pc duty cycle) Generic 10.00 19.66 10382 AAA Pube Waveform (200Hz, 27%) Generic 6.99 10.00 19.66 10383 AAA Pube Waveform (200Hz, 27%) Generic 6.99 19.86 10385 AAA Pube Waveform (200Hz, 27%) Generic 2.92 19.86 10386 AAA Pube Waveform (200Hz, 27%) Generic 6.97 19.96 10386 AAA Pube Waveform, 100 Hz Generic 6.27 19.66 10398 AAA 64-AM Waveform, 100 Hz Generic 6.27 19.66 10409 AAE IEEE 80.211ac WFI (20MLB; 84-QAM, 990p duty cycle) WLAN 8.57 19.66 10404 AAE CDMA3000 (Hz WDO, Rev. 4) 19.09 duty cycle) WLAN 8.56 19.66 10404 AAE CDMA3000 (Hz WDO, Rev. 4) 19.09 duty cycle) WLAN </td <td></td> <td></td> <td></td> <td>IDEN</td> <td>13.48</td> <td>±9.6</td>				IDEN	13.48	±9.6
10317 AAD IEEE 80.21 ta WH 5 GHz (20FM, 4 Mbps, 98pc duty cycle) WLAN 8.36 4.50 10382 AAA Pube Waveform (2004z, 27%) Generic 0.00 15.66 10385 AAA Pube Waveform (2004z, 27%) Generic 0.38 95.6 10385 AAA Pube Waveform (2004z, 26%) Generic 0.227 15.66 10385 AAA Pube Waveform (2004z, 26%) Generic 0.57 95.66 10387 AAA PSK Waveform, 104 Hz Generic 5.10 95.66 10388 AAA 64-OAM Waveform, 104 Hz Generic 6.27 95.66 10400 AAE IEEE 80.21 tas WH (20 Mtz, 64-OAM, 90pc duty cycle) WLAN 8.60 95.66 10404 AAE IEEE 80.21 tas WH (20 Mtz, 64-OAM, 90pc duty cycle) WLAN 8.66 95.66 10404 AAE IEEE 80.21 ta WH (20 Mtz, 64-OAM, 90pc duty cycle) WLAN 8.66 95.67 10404 AAB CDMA20000 (15F-VDO, Rev. 4) GENA2000 (15F-VDO, Rev. 4) GENA2000 (15F-VDO, Rev. 4)		·····	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
19352 AAA Pulse Waveform (200H; 29%) Generatic 10.00 ±9.6 19354 AAA Pulse Waveform (200H; 29%) Generatic 2.22 19.66 19355 AAA Pulse Waveform (200H; 29%) Generatic 2.22 19.66 19386 AAA Pulse Waveform (200H; 29%) Generatic 2.92 19.66 19387 AAA OPSK Waveform, 10.0Hz Generatic 0.97 19.66 19388 AAA OPSK Waveform, 10.0Hz Generatic 6.22 19.66 19389 AAA 64-QAM Waveform, 10.0Hz Generatic 6.27 19.66 19400 AAE IEEE 80.211 ac WiF1 (20MHz, 64-CAM, 99pc duty cycle) WiLAN 8.59 19.66 19401 AAE IEEE 80.211 ac WiF1 (20MHz, 64-CAM, 99pc duty cycle) WiLAN 8.59 19.66 19402 AAE IEEE 80.211 ac WiF1 (20MHz, 64-CAM, 99pc duty cycle) WiLAN 8.59 19.66 19404 AAE IEEE 80.211 no.WiF1 (20MHz, 64-CAM, 99pc duty cycle) WiLAN 8.59 19.66 <t< td=""><td></td><td></td><td>IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)</td><td>WLAN</td><td>8.36</td><td>±9.6</td></t<>			IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10385 AAA Pulse Waveform (200H; 20%) Connord: 5.90 -3.50 10385 AAA Pulse Waveform (200H; 6.0%) Connord: 5.22 4.96 10385 AAA Opelse Waveform (200H; 6.0%) Connord: 5.22 4.96 10387 AAA Opelse Waveform, 10M fr/r Connord: 5.10 4.96 10388 AAA Opelse Waveform, 10M fr/r Connord: 5.22 4.96 10389 AAA 64/OAM Waveform, 10M fr/r Connord: 5.22 4.96 10481 AAE IEEE 802.11 fac WiFI (200Mitz, 64/OAM, 99pc duty cycle) WiLAN 8.37 4.96 10482 AAE IEEE 802.11 fac WiFI (200Mitz, 64/OAM, 99pc duty cycle) WiLAN 8.33 4.96 10482 AAE IEEE 802.11 fac WiFI (200Mitz, 64/OAM, 99pc duty cycle) WiLAN 8.33 4.96 10482 AAE IEEE 802.11 fac WiFI (200Mitz, 64/OAM, 99pc duty cycle) WiLAN 8.36 4.96 10484 AB CDMA20000 A7.7 8.96 4.96 4.96				WLAN	8.36	±9.6
10355 AAA Pulse Waveform (200H; 40%) Generic 2.98 205 10355 AAA Pulse Waveform (200H; 40%) Generic 2.22 19.6 10356 AAA Pulse Waveform (200H; 40%) Generic 5.10 4.96 10357 AAA OPSK Waveform, 10 MHz Generic 5.22 4.96 10389 AAA 64-GAM Waveform, 10 MHz Generic 6.27 4.96 10389 AAA 64-GAM Waveform, 10 MHz Generic 6.27 4.96 10400 AAE IEEE 802.11 ca WH1 (20 MHz, 44-GAM, 99pc duty cycle) WLAN 8.60 4.96 10401 AAE IEEE 802.11 ca WH1 (20 MHz, 44-GAM, 99pc duty cycle) WLAN 8.53 4.96 10404 AAE CDMA2000 1.77 1.96<				Generic	10.00	±9.6
10355 AAA Pulse Waveform (2001+; 69%) Generatic 2.22 1.05 10366 AAA OPISK Waveform, 10MHz Generatic 5.10 4.96 10386 AAA OPISK Waveform, 10MHz Generatic 5.12 4.96 10386 AAA 64-OAM Waveform, 10MHz Generatic 6.22 4.96 10386 AAA 64-OAM Waveform, 10MHz Generatic 6.27 4.96 10386 AAA 64-OAM Waveform, 10MHz Generatic 6.27 4.96 10401 AAE IEEE 802.11 ac WiFI (20MHz, 4.6-OAM, 98pc duty cycle) WLAN 8.33 4.96 10442 AAE IEEE 802.11 ac WiFI (20MHz, 4.6-OAM, 98pc duty cycle) WLAN 8.36 4.96 10442 AAE IEEE 802.11 ac WiFI (20MHz, 4.6-K/M, 98pc duty cycle) WLAN 8.36 4.96 10442 AAE IEEE 802.11 ac WiFI (20MHz, 4.6-K/K, UI Rate CDMA2000 3.76 1.96 10444 AAB CDMA2000, RCS, SO2, SO2, SO4, Fuil Rate Generatic 8.54 1.96				Generic	6.99	±9.6
10356 AAA Pulse Waveform (2004: 20%) Cameric 6.97 49.6 10387 AAA OPSK Waveform, 10 MHz Cameric 5.10 49.6 10388 AAA OPSK Waveform, 10 MHz Cameric 6.27 49.6 10398 AAA 64-CAM Waveform, 100 MHz Cameric 6.27 49.6 10400 AAE IEEE 802, 11 ac WHT (40 MHz, 64-CAM, 89pc duty cycle) WLAN 8.37 49.6 10401 AAE IEEE 802, 11 ac WHT (40 MHz, 64-CAM, 89pc duty cycle) WLAN 8.33 49.6 10402 AAE IEEE 802, 11 ac WHT (40 MHz, 64-CAM, 89pc duty cycle) WLAN 8.33 49.6 10404 AAB COMA2000 (13C X-DO, Rev. 0) CDMA2000 (13C X-DO, Rev. 3) 29.6 29.6 29.6 29.6 29.8 29.6 29.				Generic	3.98	±9.6
10387 AAA OPSK Waveform, 10 MHz Cammbe 510 952 10398 AAA 64-CAM Waveform, 10 MHz Gammbe 6.27 49.6 10399 AAA 64-CAM Waveform, 10 MHz Gammbe 6.27 49.6 10400 AAE IEEE 802.11 ac WIFI (20 MHz, 64-CAM, 98pc duty cycle) WL AN 8.60 49.6 10401 AAE IEEE 802.11 ac WIFI (20 MHz, 64-CAM, 98pc duty cycle) WL AN 8.60 49.6 10402 AAE IEEE 802.11 ac WIFI (20 MHz, 64-CAM, 98pc duty cycle) WL AN 8.60 49.6 10404 AAS CDMA2000 (15K-VD, Rev. 0) CDMA2000 (15K-VD, Rev. 0) CDMA2000 (15K-VD, Rev. 0) 10.44 AAS CDMA2000 (15K-VD, Rev. 0) WL AN 8.23 49.6 10410 AAH IEE 802.110 WIFI 2.4 GHZ (CPS-CFDM, SMbps, 98pc duty cycle) WL AN 8.23 49.6 10414 AAA IEE 802.110 WIFI 2.4 GHZ (CPSS, TMps, 98pc duty cycle) WL AN 8.23 49.6 10414 AAA IEEE 802.110 WIFI 2.4 GHZ (CPSS, CFDM, 64.04, cycle) WL AN 8.14				Generic	2.22	±9.6
10388 AAA OPSK Waveform, 10.0Hz Construct 6.22 2.36 10386 AAA 64-CAM Waveform, 10.0Hz Generic 6.27 49.6 10386 AAA 64-CAM Waveform, 10.0Hz Generic 6.27 49.6 10400 AAE IEEE 80.21 no WIF (20.MHz, 64-CAM, 98pc duty cycle) WLAN 8.37 49.6 10402 AAE IEEE 80.21 no WIF (20.MHz, 64-CAM, 98pc duty cycle) WLAN 8.53 49.6 10402 AAE IEEE 80.21 no WIF (20.MHz, 64-CAM, 98pc duty cycle) WLAN 8.53 49.6 10404 AAB CDMA2000 (15K-VDO, Rev. 0) CDMA2000 (15K-VDO, Rev. 0) CDMA2000 (15K-VDO, Rev. 0) CDMA2000 (15K-VDO, Rev. 0) WLAN 8.64 49.6 10416 AAA IEEE 802.11 WIF (2.46Hz (DSSS; MBpc, 98pc duty cycle) WLAN 8.64 49.6 10416 AAA IEEE 802.11 WIF (2.46Hz (DSSS: OFDM, 40Hz, 99.9 duty cycle) WLAN 8.24 49.6 10417 AAA IEEE 802.11 WIF (2.46Hz (DSSS: OFDM, 40Hz, 99.9 duty cycle) WLAN 8.14 49.6				Generic	0.97	±9.6
10399 AAA 64-CAM Waveform, 100 HHz Common 6.27 1436 10399 AAA IEEE 802.11ac WIFI (20 MHz, 64-CAM, 98pc duty cycle) WL AN 8.60 486 10401 AAE IEEE 802.11ac WIFI (20 MHz, 64-CAM, 98pc duty cycle) WL AN 8.63 496 10402 AAE IEEE 802.11ac WIFI (20 MHz, 64-CAM, 98pc duty cycle) WL AN 8.63 496 10403 AAE CDMA2000 (15K-VD, Rev. 0) CDMA2000 3.76 49.6 10404 AAB CDMA2000 (15K-VD, Rev. 0) CDMA2000 (15K-VD, Rev. 0) CDMA2000 (15K-VD, Rev. 0) 115.4 49.6 10410 AAH IEEE 802.110 WIFI 2.4 GHz, CDSS1, MDps, 99pc duty cycle) WL AN 8.23 49.6 10414 AAA IEEE 802.110 WIFI 2.4 GHz, CDSS1, MDps, 99pc duty cycle) WL AN 8.23 49.6 10416 AAA IEEE 802.110 WIFI 2.4 GHz, CDSS5, CHMS, 980pc duty cycle) WL AN 8.14 49.6 10417 AAC IEEE 802.110 WIFI 2.4 GHZ, CDSS5, CHMS, 980pc duty cycle, Short preambule) WL AN 8.14 49.6 10422				Generic	5.10	±9.6
10399 AAA 64-QAM, Workerm, 40 MHz Generic 6.27 145.6 10400 AAE IEEE 802.11ac WIF [20 MHz, 84-QAM, 95pc duty cyclo) WLAN 8.63 149.6 10401 AAE IEEE 802.11ac WIF [20 MHz, 84-QAM, 95pc duty cyclo) WLAN 8.63 149.6 10402 AAE IEEE 802.11ac WIF [20 MHz, 84-QAM, 95pc duty cycle) WLAN 8.63 149.6 10404 AAB CDMA2000 (1KEV-DO, Rev. A) CDMA2000 3.77 149.6 10406 AAB CDMA2000 (1KEV-DO, Rev. A) CDMA2000 5.22 19.6 10414 AAA IEEE 802.115 WIF 2.4 CHz (DSSS, 1Mps, 95pc duty cycle) WLAN 5.64 19.6 10414 AAA IEEE 802.115 WIF 2.4 CHz (DSSS, 1Mps, 95pc duty cycle) WLAN 8.62 19.6 10414 AAA IEEE 802.116 WIF 2.4 CHz (DSSS, OFFDM, 6Mps, 95pc duty cycle), chorg preambule) WLAN 8.23 19.6 10414 AAA IEEE 802.116 WIF 2.4 CHz (DSSS, OFFDM, 6Mps, 95pc duty cycle, chorg preambule) WLAN 8.14 19.6 10414 AAA				Generic	5.22	±9.6
10400 AAE IEEE 602.11ac WIFI (20 MHz, 64-OAM) 98pc duty cyclo) WLAN 8.67 19.6 10401 AAE IEEE 602.11ac WIFI (20 MHz, 64-OAM) 98pc duty cyclo) WLAN 8.67 19.6 10402 AAE IEEE 602.11ac WIFI (20 MHz, 64-OAM) 98pc duty cyclo) WLAN 8.67 19.6 10403 AAB CDMA2000 (1EV-DO, Rev. A) CDMA2000 3.77 19.6 10404 AAB CDMA2000 (1EV-DO, Rev. A) CDMA2000 5.22 19.6 10410 AAH ITE-TDD (SC-FDMA, T R6, 10MHz, QPSK, UL Subframe-23,4,7,8,9, Subframe Cont-4) ITE-TDD (SC-FDMA, T R6, 10MHz, QPSK, UL Subframe-23,4,7,8,9, Subframe Cont-4) ITE-TD (SC-FDMA, T R6, 10MHz, QPSK, UL Subframe-23,4,7,8,9, Subframe Cont-4) 116.4 19.6 10411 AAA IEEE 602.119 WIFE 2.4 GHz (SSS S-FDMA, MBps, 99pc duty cycle) WLAN 8.23 19.6 10415 AAA IEEE 602.119 WIFE 2.4 GHz (SSS S-FDMA, MBps, 99pc duty cycle) WLAN 8.23 19.6 10417 AAC IEEE 602.119 WIFE 2.4 GHz (SSS S-FDMA, MBps, 99pc duty cycle) WLAN 8.19 19.6 10422 AAC IEEE 602.119 W				Generic	6.27	±9.6
10401 AAE FEES 802.1186. WIF (40 MHz, 64-QAM, 99pc duty cycle) WILAN 8.60 19.60 10402 AAB CDMA2000 (1EV-DO, Rev. A) CDMA2000 3.77 19.6 10404 AAB CDMA2000 (1EV-DO, Rev. A) CDMA2000 3.77 19.6 10404 AAB CDMA2000 (1EV-DO, Rev. A) CDMA2000 5.22 19.6 10414 AAA LTE-TDD (SC-FDMA, 1BR, 10MHz, (PSK, UL Subframe-23,4,7,8,9, Subframe Conl-4) 117.7 18.6 10414 AAA FEEE 802.116 WIF 2 4 GHz (DSS), 1Mps, 99pc duty cycle) WLAN 1.54 19.6 10414 AAA FEEE 802.116 WIF 2 4 GHz (DSS), 1Mps, 99pc duty cycle) WLAN 8.23 4.96 10414 AAA FEEE 802.116 WIF 2 4 GHz (DSS), 5Mps, 99pc duty cycle, Long preambule) WLAN 8.23 4.96 10417 AAC FEEE 802.116 WIF 2 4 GHz (DSS), 5Mps, 99pc duty cycle, Long preambule) WLAN 8.14 19.6 10424 AAC FEEE 802.116 WIF 2 4 GHz (DSS), 5Mps, 99pc duty cycle, Short preambule) WLAN 8.14 19.6 10425 AAC				Generic	6.27	±9.6
Todag AAE FEE 60211so WFF (80 MHz, 64 QAM, 99pc duty cyclo) WLAN 8.53 136.6 10403 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.76 196.6 10404 AAB CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 3.77 196.6 10404 AAB CDMA2000 (1xEV-DO, Rev. A) CDMA2000 5.22 196.6 10416 AAH ITE-TDD (SC-TDMA, 1 RE, 104Hz, CPSK) (U. Subframe-2,3,4,7,8,9, Subframe Conl-4) ITE-TDD 7.82 196.6 10414 AAA WLAN CCDF, 64-CAM, 40 MHz, CPSK (U. Subframe-2,3,4,7,8,9, Subframe Conl-4) WLAN 8.23 196.6 10415 AAA IEEE 602.119 WHF 2.4 GHz (CDSS, 0-FDM, 6Mbps, 99pc duty cycle) WLAN 8.23 196.6 10417 AAC IEEE 602.116 WHF 2.4 GHz (DSSS 0-FDM, 6Mbps, 99pc duty cycle) WLAN 8.19 196.6 10418 AAA IEEE 602.116 WHF 2.4 GHz (DSSS 0-FDM, 6Mbps, 99pc duty cycle) WLAN 8.19 196.6 10422 AAC IEEE 602.116 WHF 2.4 GHz (DSSS 0-FDM, 6Mbps, 99pc duty cycle) WLAN 8.41 196.6 104					8.37	±9.6
10403 AAB CDMA2000 3.76 19.66 10404 AAB CDMA2000, RC3, SC32, SCH0, Full Rate CDMA2000, 5.22 19.66 10404 AAB CDMA2000, RC3, SC32, SCH0, Full Rate CDMA2000, 5.22 19.66 10414 AAA LTE-TDD (SC-FDMA, TRB, 10.MHz, OPSK, UL Subframe-2.3.4,7.6,9, Subframe Cont-40 CDMA2000, 5.22 19.66 10414 AAA LEEE 802.11b WHF 2.4 GHz (DSSS, 11Mps, 99pc duty cycle) WLAN 15.4 19.66 10415 AAA IEEE 802.11b WHF 2.4 GHz (DSSS, OFDM, 6Mbps, 90pc duty cycle) WLAN 8.23 19.66 10417 AAC IEEE 802.11g WHF 2.4 GHz (DSSS, OFDM, 6Mbps, 90pc duty cycle) WLAN 8.14 19.66 10418 AAA IEEE 802.11g WHF 2.4 GHz (DSSS, OFDM, 6Mbps, 90pc duty cycle), Short preambule) WLAN 8.14 19.66 10422 AAC IEEE 802.11g WHF 2.4 GHz (DSSS, OFDM, 6Mbps, 90pc duty cycle) WLAN 8.47 19.66 10424 AAC IEEE 802.11n (HT Greenfield, 3.9 Mbps, 16-QAM) WLAN 8.47 19.66 10425 AAC IEEE 802.11n (HT Greenfield, 1.8 Mbp					1	±9.6
10440 AB CDMA2000 3.7.0 4.8.0 10466 AAB CDMA2000 R.3.2 14.9.6 10406 AAB CDMA2000, RC3, SO2, SCH0, Full Rate CDMA2000 6.2.2 14.9.6 10410 AAH ITE-TDD (SC+FDMA, TBB, 10MHz, DPSK, UL Subframe-2,3,4,7,8,9, Subframe Conl=4) ITE-TDD (7.8.2 14.9.6 10414 AAA WLAN CCDF, 64-QAM, 40 MHz Genoric 6.8.54 14.9.6 10415 AAA IEEE 802.110 WHF12.4 GHz (DSSS, 1Mbps, 99pc duty cycle) WLAN 8.2.3 +9.6 10416 AAA IEEE 802.110 WHF12.4 GHz (DSSS, OFDM, 6Mbps, 99pc duty cycle). Cong preambule) WLAN 8.14 14.9.6 10418 AAA IEEE 802.110 (HT Greenfield, 72 Mbps, 99PS) WLAN 8.42 14.9.6 10422 AAC IEEE 802.110 (HT Greenfield, 72 Mbps, 99PS) WLAN 8.47 14.9.6 10424 AAC IEEE 802.111 (HT Greenfield, 72 Mbps, 99PS) WLAN 8.41 14.9.6 10424 AAC IEEE 802.111 (HT Greenfield, 90 Mbps, 16-OAM) WLAN 8.41 14.9.6		4			8.53	±9.6
10406 AAB CDMA2000, FC3, SO2, SCH0, Full Rate CDMA2000 5.22 1.9.6 10410 AAH LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe Coni=4) CDMA2000 5.22 1.9.6 10414 AAA WLAN COCF, 64-QAM, 40 MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe Coni=4) CDMA2000 1.5.4 1.9.6 10415 AAA IEEE 802.11b WIFi 2.4 GHz (DSSS, 10 Mbps, 99pc duty cycle) WLAN 8.23 1.9.6 10416 AAA IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 6Mbps, 99pc duty cycle), Long preambule) WLAN 8.23 1.9.6 10418 AAA IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 6Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 1.9.6 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 8PSK) WLAN 8.47 1.9.6 10424 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.41 1.9.6 10424 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) WLAN 8.45 1.9.6 10424 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 64-QAM) WLAN 8.45		1				±9.6
10410 AAH LTE-TDD (SC-FDMA, 1 PB, 10 MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe Cont-4) LTE-TDD 7.82 19.6 10414 AAA WLAN CCDF, 64-GAM, 40 MHz Generic 8.54 49.6 10416 AAA IEEE 802.11g WHF 24 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 49.6 10416 AAA IEEE 802.11g WHF 24 GHz (DSSS, 1 Mbps, 99pc duty cycle) WLAN 8.23 49.6 10417 AAC IEEE 802.11g WHF 24 GHz (DSSS, OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.12 49.6 10418 AAA IEEE 802.11g WHF 24 GHz (DSSS, OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.14 49.6 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.40 49.6 10423 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.41 49.6 10424 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN 8.41 49.6 10424 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM) WLAN 8.41 49.6 10424					3.77	±9.6
10414 AAA WLAN Connect 8.154 19.65 10415 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duly cycle) WLAN 8.23 49.65 10416 AAA IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duly cycle) WLAN 8.23 49.65 10417 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS. OFDM, 6 Mbps, 99pc duly cycle), Cong preambule) WLAN 8.14 49.65 10428 AAC IEEE 802.11g WiFi 2.4 GHz (DSSS. OFDM, 6 Mbps, 99pc duly cycle, Short preambule) WLAN 8.14 49.65 10428 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.47 19.66 10428 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.41 49.66 10428 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-QAM) WLAN 8.41 49.66 10428 AAC IEEE 802.11n (HT Greenfield, 7.50 Mbps, 64-QAM) WLAN 8.41 49.6 10428 AAC IEEE 802.11n (HT Greenfield, 7.50 Mbps, 64-QAM) WLAN 8.41 49.6 10430				CDMA2000		±9.6
10415 AAA IEEE 802.11b WIF 2.4 GHz (DSSS. 1 Mbps, 99pc duty cycle) WLAN 1.54 1.96 10416 AAA IEEE 802.11g WIF 2.4 GHz (CPPD, M 6Mps, 99pc duty cycle) WLAN 8.23 1.96 10417 AAC IEEE 802.11g WIF 2.4 GHz (DSSS.OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 1.96 10418 AAA IEEE 802.11g WIF 2.4 GHz (DSSS.OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.14 1.96 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 1.96 10423 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 54-OAM) WLAN 8.47 1.96 10424 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 54-OAM) WLAN 8.41 1.96 10425 AAC IEEE 802.11n (HT Greenfield, 1.50 Mbps, 64-OAM) WLAN 8.41 1.96 10426 AAC IEEE 802.11n (HT Greenfield, 1.50 Mbps, 64-OAM) WLAN 8.41 1.96 10426 AAC IEEE 802.11n (HT Greenfield, 1.50 Mbps, 64-OAM) WLAN 8.41 1.96 10427 <td></td> <td></td> <td></td> <td>LTE-TDD</td> <td>7.82</td> <td>±9.6</td>				LTE-TDD	7.82	±9.6
10416 AAA IEEE 802.11g WiFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle) WLAN 8.23 49.6 10417 AAC IEEE 802.11g WiFI 2.4 GHz (DSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) WLAN 8.14 49.6 10418 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) WLAN 8.19 49.6 10428 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.42 19.6 10428 AAC IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) WLAN 8.40 49.6 10428 AAC IEEE 802.11n (HT Greenfield, 49.3 Mbps, 16-QAM) WLAN 8.41 49.6 10428 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 84-QAM) WLAN 8.41 49.6 10428 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 49.6 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 49.6 10428 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 49.6 10429				Generic		±9.6
10417 AAC IEEE 802.11 a/h WiFI 2 GHz (OFDM, 6 Mbps, 99pc duly cycle) WLAN 8.23 19.6 10418 AAA IEEE 802.11 gWiFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duly cycle, Short preambule) WLAN 8.14 19.6 10428 AAC IEEE 802.11 gWiFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duly cycle, Short preambule) WLAN 8.12 19.6 10422 AAC IEEE 802.11 n (HT Greenfield, 72.2 Mbps, BFSK) WLAN 8.47 43.6 10424 AAC IEEE 802.11 n (HT Greenfield, 73.2 Mbps, 64-QAM) WLAN 8.41 49.6 10428 AAC IEEE 802.11 n (HT Greenfield, 150 Mbps, 8FSK) WLAN 8.41 49.6 10427 AAC IEEE 802.11 n (HT Greenfield, 150 Mbps, 84-QAM) WLAN 8.41 49.6 10428 AAC IEEE 802.11 n (HT Greenfield, 150 Mbps, 84-QAM) WLAN 8.41 49.6 10424 AAC IEEE 802.11 n (HT Greenfield, 150 Mbps, 84-QAM) WLAN 8.41 49.6 10428 AAD ITE-FDD (CFDMA, 16M LE, E-TM 3.1) ITE-FDD 8.34 49.6 10433 <t< td=""><td></td><td></td><td></td><td>WLAN</td><td>1.54</td><td>±9.6</td></t<>				WLAN	1.54	±9.6
10418 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 98pc duty cycle, Short preambule) WLAN 8.14 19.6 10419 AAA IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 98pc duty cycle, Short preambule) WLAN 8.12 19.6 10422 AAC IEEE 802.11n (HT Greenfield, 7.3 Mbps, 16-OAM) WLAN 8.42 19.6 10424 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, 64-OAM) WLAN 8.41 +9.6 10428 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 64-OAM) WLAN 8.41 +9.6 10428 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 64-OAM) WLAN 8.41 +9.6 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-OAM) WLAN 8.41 +9.6 10431 AAE LTE-FDD (OFDMA, 6MHz, E-TM 3.1) ITE-FDD 8.34 +9.6 10432 AAD ITE-FDD (OFDMA, 6MHz, E-TM 3.1) ITE-FDD 8.34 +9.6 10433 AAB UTE-FDD (OFDMA, 6MHz, E-TM 3.1) ITE-FDD 7.56 +9.6 10434 AAB UTE-FDD (OFDMA, 6MHz,			IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10419 AAA IEEE 802.11 g WiFI 2.4 GHz (DSSS-OFDM, 6 MBps, 99pc duty cycle, Short preambule) WLAN 8.19 19.6 10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 19.6 10424 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.47 19.6 10424 AAC IEEE 802.11n (HT Greenfield, 3.3 Mbps, BPSK) WLAN 8.41 19.6 10425 AAC IEEE 802.11n (HT Greenfield, 19.0 Mbps, 64-QAM) WLAN 8.45 19.6 10427 AAC IEEE 802.11n (HT Greenfield, 15.0 Mbps, 64-QAM) WLAN 8.45 19.6 10421 AAC IEEE 802.11n (HT Greenfield, 15.0 Mbps, 64-QAM) WLAN 8.41 19.6 10432 AAE ITE-FDD (OFDMA, 10.41z, E-TM 3.1) ITE-FDD 8.38 19.6 10433 AAD ITE-FDD (OFDMA, 10.41z, E-TM 3.1) ITE-FDD 8.34 19.6 10434 AAB ITE-FDD (OFDMA, 10.41z, E-TM 3.1) ITE-FDD 7.82 19.6 10434 AAB ITE-FDD (OFDMA, 10.41z, E-TM 3.1, Clipping 44%)<					8.23	±9.6
10422 AAC IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) WLAN 8.32 19.6 10422 AAC IEEE 802.11n (HT Greenfield, 3.3 Mbps, 16-GAM) WLAN 8.40 19.6 10424 AAC IEEE 802.11n (HT Greenfield, 15 Mbps, 84-GAM) WLAN 8.40 19.6 10425 AAC IEEE 802.11n (HT Greenfield, 16 Mbps, 84-GAM) WLAN 8.41 ±9.6 10426 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 84-GAM) WLAN 8.41 ±9.6 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-GAM) WLAN 8.41 ±9.6 10430 AAE ITE-FDD (OFDMA, 5MHz, E-TM 3.1) ITE-FDD 8.38 ±9.6 10433 AAD ITE-FDD (OFDMA, 16M+z, E-TM 3.1) ITE-FDD 8.34 ±9.6 10434 AAB WCDMA (BS Test Model 1, 84 DPCH) WCDMA 8.60 ±9.6 10447 AAE ITE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%) ITE-FDD 7.58 ±9.6 10447 AAE ITE-FDD (OFDMA, 6MHz, E-TM 3.1, Clipping 44%) ITE-FDD <td< td=""><td></td><td>in the second se</td><td></td><td>WLAN</td><td>8.14</td><td>±9.6</td></td<>		in the second se		WLAN	8.14	±9.6
10423 AAC IEEE 802.11n (HT Greenfield, 43.3Mpp, 16-QAM) WLAN 8.47 49.6 10424 AAC IEEE 802.11n (HT Greenfield, 72.2Mbps, 64-QAM) WLAN 8.40 49.6 10425 AAC IEEE 802.11n (HT Greenfield, 50 Mbps, BPSK) WLAN 8.41 49.6 10426 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 49.6 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 49.6 10430 AAE ITE-FDD (OFDMA, 5MHz, E-TM 3.1) ITE-FDD 8.38 49.6 10433 AAD ITE-FDD (OFDMA, 10 MHz, E-TM 3.1) ITE-FDD 8.34 49.6 10433 AAD ITE-FDD (OFDMA, 20 MHz, E-TM 3.1) ITE-FDD 8.34 49.6 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 49.6 10434 AAE ITE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) ITE-FDD 7.82 49.6 10444 AAE ITE-FDD (OFDMA, 16 MHz, E-TM 3.1, Clippin 44%) ITE-FDD 7.53<					8.19	±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, 18 Mbps, BPSK) WLAN 8.41 ±9.6 10426 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.45 ±9.6 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ±9.6 10430 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.38 ±9.6 10432 AAD LTE-FDD (OFDMA, 16MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10432 AAD LTE-FDD (OFDMA, 18Mz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10433 AAB WCDMA (BS Test Model 1, 64 OPCH) WCDMA 8.60 ±9.6 10443 AAE LTE-FDD (OFDMA, 10 Hz, E-TM 3.1, Clippin 44%) LTE-FDD 7.52 ±9.6 10444 AAE LTE-FDD (OFDMA, 10 Hz, E-TM 3.1, Clippin 44%) LTE-FDD 7.51 ±9.6 10444 AAD LTE-FDD (OFDMA, 10 Hz, E-TM 3.1, Clippin 44%) LTE-FDD 7.51<					8.32	±9.6
10425 AAC IEEE 802.11n (HT Greenfield, 16 Mbps, BPSK) WLAN 8.41 ±9.6 10426 AAC IEEE 802.11n (HT Greenfield, 90 Mbps, 16-GAM) WLAN 8.45 ±9.6 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mbps, 64-GAM) WLAN 8.41 ±9.6 10430 AAE LTE-FDD (OFDMA, 5MHz, E-TM 3.1) LTE-FDD 8.28 ±9.6 10431 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10432 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 OPCH) WCDMA 8.60 ±9.6 10447 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ±9.6 10448 AAE LTE-FDD (OFDMA, 16 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.53 ±9.6 10448 AAE LTE-FDD (OFDMA, 16 MHz, E-TM 3.1, Clippin 44%) LTE-FDD 7.51 ±9.6 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) LTE-FDD <t< td=""><td></td><td></td><td></td><td></td><td>8.47</td><td>±9.6</td></t<>					8.47	±9.6
10426 AAC IEEE 802.11n (HT Greenfield, 90 Mps, 16-OAM) WLAN 8.45 ±9.6 10427 AAC IEEE 802.11n (HT Greenfield, 150 Mps, 64-QAM) WLAN 8.41 ±9.6 10430 AAE LTE-FDD (OFDMA, 10 MLz, E-TM 3.1) LTE-FDD 8.28 ±9.6 10431 AAE LTE-FDD (OFDMA, 10 MLz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10432 AAD LTE-FDD (OFDMA, 16 MLz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10433 AAD LTE-FDD (OFDMA, 16 MLz, 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 10447 AAE LTE-FDD (OFDMA, 10 MLz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ±9.6 10448 AAE LTE-FDD (OFDMA, 10 MLz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10449 AAD LTE-FDD (OFDMA, 10 MLz, E-TM 3.1, Clipping 44%) LTE-FDD 7.54 ±9.6 10448 AAE Valcation (Square, 10 40 Ncl, 40 PCH, Clipping 44%) WCDMA						
10427 AAC IFEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) WLAN 8.41 ±9.6 10430 AAE LITE-FDD (QFDMA, 5MHz, E-TM 3.1) LITE-FDD 8.28 ±9.6 10431 AAE LITE-FDD (QFDMA, 15 MHz, E-TM 3.1) LITE-FDD 8.38 ±9.6 10432 AAD LITE-FDD (QFDMA, 15 MHz, E-TM 3.1) LITE-FDD 8.34 ±9.6 10433 AAD LITE-FDD (QFDMA, 16 MHz, E-TM 3.1) LITE-FDD 8.34 ±9.6 10433 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ±9.6 10444 AAE LITE-FDD (QFDMA, 178, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LITE-FDD 7.56 ±9.6 10447 AAE LITE-FDD (QFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LITE-FDD 7.51 ±9.6 10448 AAE LITE-FDD (QFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LITE-FDD 7.51 ±9.6 10450 AAD LITE-FDD (QFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LITE-FDD 7.48 ±9.6 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)						
10430 AAE 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, 10 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10432 AAD LTE-FDD (OFDMA, 20 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-FDD (OFDMA, 1 RB, 20 MHz, CPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD 7.52 ±9.6 10447 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ±9.6 10448 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10449 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 ±9.6 <						
10431 AAE LTE-FDD 8.38 ±9.6 10432 AAD LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10432 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) LTE-FDD 8.34 ±9.6 10433 AAB W-CDMA (BS Test Model 1, 64 OPCH) WCDMA 8.60 ±9.6 10434 AAB LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.82 ±9.6 10447 AAE LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.56 ±9.6 10447 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10449 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.61 ±9.6 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 ±9.6 10453 AAE Validation (Square, 10 ms, 1ms) Test 10.00 ±9.6 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
10432 AAD LTE-FDD 8.34 ±9.6 10433 AAD LTE-FDD 8.34 ±9.6 10433 AAD LTE-FDD 8.34 ±9.6 10433 AAD LTE-FDD 8.34 ±9.6 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ±9.6 10434 AAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD 7.82 ±9.6 10447 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.53 ±9.6 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10449 AD LTE-FDD (OFDMA, 16 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 ±9.6 10450 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 ±9.6 10453 AAE Validation (Square, 10 ms, 1 ms) Test 10.00 ±9.6 10453 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 ±9.6						
10433 AAD LTE-FDD 0.01 1.000 10433 AAB LTE-FDD 8.34 ±9.6 10434 AAB W-CDMA (BS Test Model 1, 64 DPCH) WCDMA 8.60 ±9.6 10435 AAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD 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, Clipping 44%) LTE-FDD 7.51 ±9.6 10449 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 ±9.6 10450 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.48 ±9.6 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 ±9.6 10453 AAE Validation (Square, 10ms, 1ms) Test 10.00 ±9.6 10454 AAA CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 6.55 ±9.6 10455						
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 (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-FDD 7.56 ±9.6 10448 AAE LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10449 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10449 AAD LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) LTE-FDD 7.51 ±9.6 10450 AAD LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) WCDMA 7.59 ±9.6 10451 AAB W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) WCDMA 7.59 ±9.6 10453 AAC Validation (Square, 10 ms, 1 ms) Test 10.00 ±9.6 10453 AAC Validation (Square, 20, 44, 99pc duty cycle) WLAN 8.63 ±9.6 10454 AAA CDMA2000 (1xEV-DO, Rev						
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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 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	±0.6
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	
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	· · · · · ·	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49 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		±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)		1.57	±9.6
10518	AAA	IEEE 802.116 WIFI 2.4 GHz (DSSS, 11 Mops, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mops, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mops, 99pc duty cycle)	WLAN	8.12	±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mips, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 902.11 a/h WIFLO GHZ (OFDAM, 40 MIDPS, 99PC OUTY CYCIP)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
J	t ·	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
		IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10535		IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10536	AAC			f	
10536 10537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10536			WLAN WLAN WLAN	8.44 8.54	±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WIFI (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFI (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	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	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	<u>+9.6</u>
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10000	1	JEEE DOD 11 m (I T Minut 40 MILE MOOZ DOWN date with)			
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
h	AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
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	<u>+</u> 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 10647	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	<u>+</u> 9.6
10648 10652	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653		LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10655	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658 10659	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660		Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Test	3.98	±9.6
10661	AAB AAB	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 80%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%) Bluetooth Low Energy	Test	0.97	±9.6
10670	AAA AAC	Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC		WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10675	AAC		WLAN	8.90	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS), 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685 1		r = r = 0 $r = 0$	WLAN	8.33	±9.6
10685 10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743 10744	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746 10747	AAC AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747		IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
L	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750 10751	AAC AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
I		IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	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 (160MHz, 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 10787	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10789	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 (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAD	5G NR (CP-OFDM, 100% HB, 50 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.92	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.95	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.84	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)		7.82	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10790	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.89 7.93	±9.6 ±9.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 ±9.6
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 ±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10822				0.00	T0.0
10823		5G NB (CP-OFDM, 100% BB, 50 MHz, OPSK 30 kHz)	5G NR FRI TOD	830	406
10823 10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39 8.41	±9.6
10823		5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD	8.39 8.41 8.42	±9.6 ±9.6 ±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.66	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6 ±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAD AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10861	AAD	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	8.41	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.40	±9.6
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41 8.37	±9.6 ±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875 10876	AAE AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10870	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	8.41 8.12	±9.6 ±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±0.0 ±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891 10892	AAE AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAC	5G NR (CF-OFDM, 100% RB, 50 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	8.41	±9.6
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.66	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.67 5.67	±9.6 ±9.6
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAB	5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909 10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
	AAB	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)	$Unc^E k = 2$
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	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR 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 10947	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	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952		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 AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	· · · · · · · · · · · · · · · · · · ·	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 DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAC		5G NR FR1 TDD	9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB		5G NR FR1 TDD	9.42	±9.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAB AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) ULLA BDR	5G NR FR1 TDD	10.28	±9.6
10978	AAA AAA	ULLA BDR ULLA HDR4	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4 ULLA HDR8	ULLA	8.58	±9.6
10980	AAA	ULLA HDR9	ULLA	10.32	±9.6
	AAA	ULLA HDRp8	ULLA ULLA	3.19	±9.6 ±9.6
10982				3.43	

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	+9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6

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

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

Element

Client



Schweizerischer Kalibrierdienst

- S Service suisse d'étalonnage
- С Servizio svizzero di taratura
- S **Swiss Calibration Service**

Accreditation No.: SCS 0108

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

Certificate No: D2450V2-750_May22

CALIBRATION CERTIFICATE

Object	D2450V2 - SN:75	50	VATM
			6///22
Calibration procedure(s)	QA CAL-05.v11 Calibration Proce	dure for SAR Validation Sources	between 0,7-3 GHz
Calibration date:	May 11, 2022		
		onal standards, which realize the physical unit obability are given on the following pages and	
All calibrations have been conducte	ed in the closed laborator	y facility: environment temperature (22 ± 3)°C	and humidity < 70%.
Calibration Equipment used (M&TE	critical for calibration)		
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Арг-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 7349	31-Dec-21 (No. EX3-7349_Dec21)	Dec-22
DAE4	SN: 601	02-May-22 (No. DAE4-601_May22)	May-23
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22
I	Name	Function	Signature
Calibrated by:	Aidonia Georgiadou	Laboratory Technician	dT
I			Mzg
Approved by:	Sven Kühn	Technical Manager	S Lot
This calibration certificate shall not	be reproduced except in	full without written approval of the laboratory.	Issued: May 12, 2022

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





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Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossary:

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled 0 phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power. 0
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna 0 connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	· · · · · · · · · · · · · · · · · · ·
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2450 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.2 ± 6 %	1.85 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.4 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	52.6 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.5 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

······································	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.7	1.95 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.5 ± 6 %	2.02 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	12.9 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	50.5 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	······
SAR measured	250 mW input power	6.04 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	23.9 W/kg ± 16.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	54.8 Ω + 8.1 jΩ	
Return Loss	- 21.0 dB	

Antenna Parameters with Body TSL

Impedance, transformed to feed point	50.8 Ω + 8.7 jΩ
Return Loss	- 21.3 dB

General Antenna Parameters and Design

- 1		
	Electrical Delay (one direction)	1.153 ns
E		

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

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

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

Additional EUT Data

Manufactured by	SPEAC
	J OFLAG

DASY5 Validation Report for Head TSL

Date: 11.05.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:750

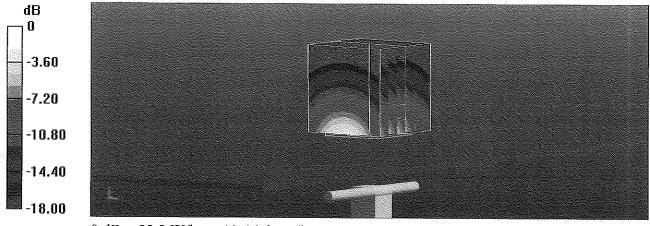
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; $\sigma = 1.85$ S/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.96, 7.96, 7.96) @ 2450 MHz; Calibrated: 31.12.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.05.2022
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 116.5 V/m; Power Drift = 0.04 dB Peak SAR (extrapolated) = 26.8 W/kg SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.2 W/kg Smallest distance from peaks to all points 3 dB below = 9 mm Ratio of SAR at M2 to SAR at M1 = 50% Maximum value of SAR (measured) = 22.2 W/kg



0 dB = 22.2 W/kg = 13.46 dBW/kg

Impedance Measurement Plot for Head TSL

<u>File View Channel Swe</u> ep Calibration	<u>Trace Scale Marker System Window H</u> elp
Ch 1 Avg = 20	1: 2.450000 GHz 54.753 Ω 527.78 pH 8.1246 Ω 2.450000 GHz 89.589 mU 55.235 °
Ch1: Start 2,25000 GHz	Stop 2.65000 GHz
10.00 BB S11 5.00 0.00	> 1: 2.450000 GHz -20.955 dB
10.00 -10.00 -15.00	
-20.00 Notes - 25.00	
-35.00 -40.00 Ch 1 Avg = 20 Ch 1: Start 2.25000 GHz	Stop 2.65000 GHz
Status CH 1: S11	C* 1-Port Avg=20 Delay LCL

DASY5 Validation Report for Body TSL

Date: 11.05.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:750

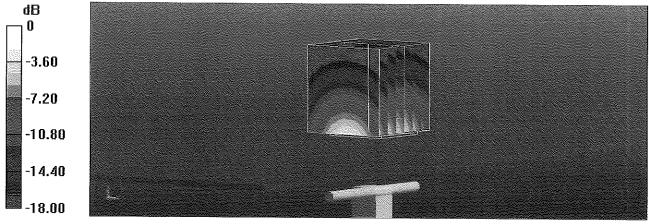
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; $\sigma = 2.02$ S/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(8.12, 8.12, 8.12) @ 2450 MHz; Calibrated: 31.12.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.05.2022
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 106.7 V/m; Power Drift = -0.07 dB Peak SAR (extrapolated) = 24.3 W/kg SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.04 W/kg Smallest distance from peaks to all points 3 dB below = 8.9 mm Ratio of SAR at M2 to SAR at M1 = 54% Maximum value of SAR (measured) = 20.1 W/kg



0 dB = 20.1 W/kg = 13.03 dBW/kg

Impedance Measurement Plot for Body TSL

			A			2	450000 G 562.19 450000 G	рH	8.1 85.9	1.764 3542 104 m 0.04)
Ch 1 Avg Ch1: Start 2,2500	= 20 0 GHz	9066		····					Stop 2.	65000 (
00					.> 1.	2.4	50000 C	Hz	-2	320 c
.00 (B \$1) 00 (D) 00 (D) 00 (D) 0.00 (D) 5.00 (D)					> 1!	2.4	50000 C	Hz	-21.	320 (

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Accreditation No.: SCS 0108

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PC Test

Certificate No: D2450V2-921_Nov21

CALIBRATION CERTIFICATE D2450V2 - SN:921 Object QA CAL-05.v11 Calibration procedure(s) Calibration Procedure for SAR Validation Sources between 0.7-3 GHz 12/9/21 Calibration date: November 09, 2021 This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). 12/14/2022 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%, Calibration Equipment used (M&TE critical for calibration) ID # **Primary Standards** Cal Date (Certificate No.) Scheduled Calibration Power meter NRP SN: 104778 09-Apr-21 (No. 217-03291/03292) Apr-22 Power sensor NRP-Z91 SN: 103244 09-Apr-21 (No. 217-03291) Apr-22 Power sensor NRP-Z91 SN: 103245 09-Apr-21 (No. 217-03292) Apr-22 Reference 20 dB Attenuator SN: BH9394 (20k) 09-Apr-21 (No. 217-03343) Apr-22 Type-N mismatch combination SN: 310982 / 06327 09-Apr-21 (No. 217-03344) Apr-22 Reference Probe EX3DV4 SN: 7349 28-Dec-20 (No. EX3-7349_Dec20) Dec-21 DAE4 SN: 601 01-Nov-21 (No. DAE4-601_Nov21) Nov-22 Secondary Standards ID # Check Date (in house) Scheduled Check Power meter E4419B SN: GB39512475 30-Oct-14 (in house check Oct-20) In house check: Oct-22 Power sensor HP 8481A SN: US37292783 07-Oct-15 (in house check Oct-20) In house check: Oct-22 Power sensor HP 8481A SN: MY41092317 07-Oct-15 (in house check Oct-20) In house check: Oct-22 RF generator R&S SMT-06 SN: 100972 15-Jun-15 (in house check Oct-20) In house check: Oct-22 Network Analyzer Agilent E8358A SN: US41080477 31-Mar-14 (in house check Oct-20) In house check: Oct-22 Name Function Signature Calibrated by: Michael Weber Laboratory Technician Approved by: Niels Kuster **Quality Manager**

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

Issued: November 11, 2021

Calibration Laboratory of

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





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- S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossarv:

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	···· · · · · · · · · · · · · · · · · ·
Frequency	2450 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	39.1 ± 6 %	1.87 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.8 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.2 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	, , , , , , , , , , , , , , , , , , ,
SAR measured	250 mW input power	6.43 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.5 W/kg ± 16.5 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.7	1.95 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.2 ± 6 %	2.01 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	12.7 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	49.7 W/kg ± 17.0 % (k=2)

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

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.7 Ω + 6.6 jΩ
Return Loss	- 23.2 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	49.9 Ω + 7.9 jΩ
Return Loss	- 22.1 dB

General Antenna Parameters and Design

	4 4 4 0
Electrical Delay (one direction)	1.148 ns

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

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

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

Additional EUT Data

Manufactured by	SPEAG

DASY5 Validation Report for Head TSL

Date: 09.11.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:921

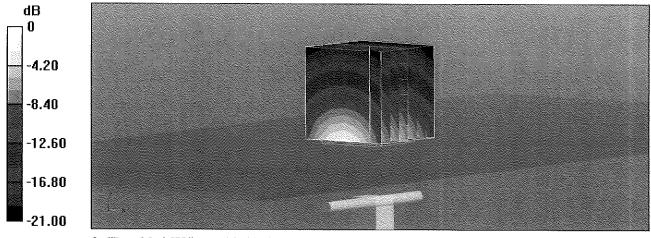
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 1.87 S/m; ϵ_r = 39.1; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(7.96, 7.96, 7.96) @ 2450 MHz; Calibrated: 28.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 01.11.2021
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 118.8 V/m; Power Drift = 0.00 dB Peak SAR (extrapolated) = 26.7 W/kg **SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.43 W/kg** Smallest distance from peaks to all points 3 dB below = 9 mm Ratio of SAR at M2 to SAR at M1 = 51.8% Maximum value of SAR (measured) = 22.4 W/kg



0 dB = 22.4 W/kg = 13.49 dBW/kg

Impedance Measurement Plot for Head TSL

Ch 1 Avg = 20 Ch 1: Start 2.25000 GHz		1: 2.450000 G 427.22 2.450000 G	pH 8.5765 Ω
Ch1: Start 2.25000 GHz			Stop 2.65000 GHz
0.00	1		
-10.00 -15.00 -20.00 -25.00 -30.00 -35.00 -40.00 Ch1 Avg ≈ 20 Ch1: Start 2.25000 GHz		> 1 2.450000 G	Hz -23.206 dB

DASY5 Validation Report for Body TSL

Date: 09.11.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:921

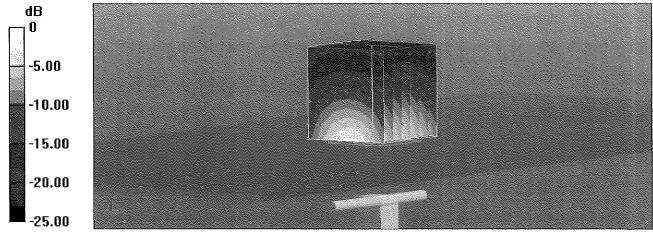
Communication System: UID 0 - CW; Frequency: 2450 MHz Medium parameters used: f = 2450 MHz; σ = 2.01 S/m; ϵ_r = 51.2; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN7349; ConvF(8.12, 8.12, 8.12) @ 2450 MHz; Calibrated: 28.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 01.11.2021
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mmReference Value = 108.3 V/m; Power Drift = -0.07 dB Peak SAR (extrapolated) = 23.5 W/kg SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.98 W/kg Smallest distance from peaks to all points 3 dB below = 9 mm Ratio of SAR at M2 to SAR at M1 = 54.9% Maximum value of SAR (measured) = 19.9 W/kg



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

Impedance Measurement Plot for Body TSL

File	⊻iew	<u>C</u> hannel	Sw <u>e</u> ep	Calibration	<u>Trace</u> <u>S</u> cale	e M <u>a</u> rker	System V	<u>/</u> indow <u>F</u>	<u>i</u> elp			
								North Market	450000 G 511.02 450000 G	pН	7,1 78,4	.915 Ω 3666 Ω 95 mU 8.116 °
c	ch1: Sta	Ch 1 Avg = art 2,25000 (3Hz	Comm		· · · · · · · · · · · · · · · · · · ·					Stop 2.	65000 GHz
10.00 5.00	3.	9B 811					> 1	. 2	.450000 C	1-12	-22.	103 dB
0.00												
-10,0	ю											an di daine genome di da
-15.0 -20.0				Manager and straining the second straining the seco	······································							
-25.0						an and a second se						
-30.0 -35.0	30 -											
40.0	00 Chit: Sta	<u>Ch 1 Avg =</u> art 2.25000 (20 GHz				<u> </u>				Stop 2.	65000 GHz
Stat	tus	CH 1: 5	511		C* 1-Port		Avg=20 Di	elay		nasillassanasilsada A		CL



Element Materials Technology Morgan Hill 18855 Adams Ct, Morgan Hill, CA 95037 USA Tel. +1.410.290.6652 / Fax +1.410.290.6654 http://www.element.com



Certification of Calibration

Object

D2450V2 - SN: 921

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

Extended Calibration date:

November 09, 2022

Description:

SAR Validation Dipole at 2450 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	8753ES	S-Parameter Vector Network Analyzer	12/17/2021	Annual	12/17/2022	MY40000670
Agilent	E4438C	ESG Vector Signal Generator	3/24/2022	Annual	3/24/2023	MY45093678
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Anritsu	ML2495A	Power Meter	3/17/2022	Annual	3/17/2023	0941001
Anritsu	MA2411B	Pulse Power Sensor	3/2/2022	Annual	3/2/2023	1126066
Anritsu	MA2411B	Pulse Power Sensor	3/28/2022	Annual	3/28/2023	1339007
Traceable	4040 90080-06	Therm./ Clock/ Humidity Monitor	5/11/2022	Biennial	5/11/2024	221514974
Control Company	4353	Long Stem Thermometer	9/10/2021	Biennial	9/10/2023	210774685
Agilent	85033E	3.5mm Standard Calibration Kit	6/21/2022	Annual	6/21/2023	MY53402352
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Mini-Circuits	ZHDC-16-63-S+	50-6000MHz Bidirectional Coupler	CBT	N/A	CBT	N/A
Pasternack	NC-100	Torque Wrench	3/19/2022	Annual	3/19/2023	N/A
SPEAG	DAK-3.5	Dielectric Assessment Kit	4/11/2022	Annual	4/11/2023	1323
SPEAG	EX3DV4	SAR Probe	3/22/2022	Annual	3/22/2023	7421
SPEAG	EX3DV4	SAR Probe	1/19/2022	Annual	1/19/2023	3837
SPEAG	DAE4	Dasy Data Acquisition Electronics	3/22/2022	Annual	3/22/2023	604
SPEAG	DAE4	Dasy Data Acquisition Electronics	1/13/2022	Annual	1/13/2023	793

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

	Name	Function	Signature
Calibrated By:	Arturo Oliveros	Associate Compliance Engineer	AS
Approved By:	Kaitlin O'Keefe	Managing Director	XOK

Object:	Date Issued:	Page 1 of 4
D2450V2 – SN: 921	11/09/2022	Page 1 of 4

DIPOLE CALIBRATION EXTENSION

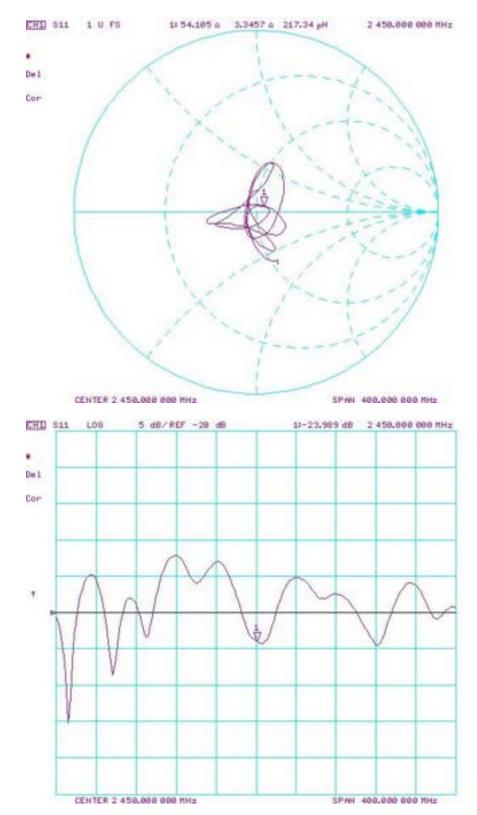
Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

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

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

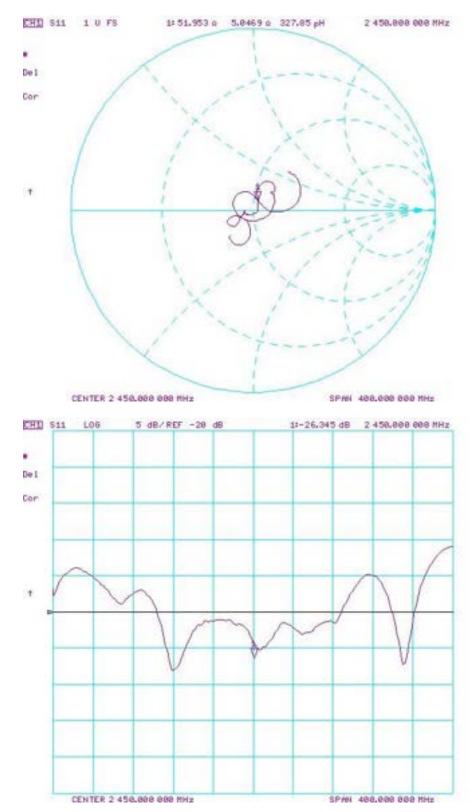
Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 20.0 dBm	Measured Head	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real		Certificate Impedance Head (Ohm) Imaginary			Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	Deviation (%)	PASS/FAIL
11/9/2021	11/9/2022	1.148	5.42	5.47	0.92%	2.55	2.56	0.39%	52.7	54.1	1.4	6.6	3.3	3.3	-23.2	-24	-3.40%	PASS
Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Body (1g) W/kg @ 20.0 dBm	Measured Body SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Body (10g) W/kg @ 20.0 dBm	Measured Body SAR (10g) W/kg @ 20.0 dBm	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real	Measured Impedance Body (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary		Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
11/9/2021	11/9/2022	1.148	4.97	5.03	1.21%	2.36	2.34	-0.85%	49.9	52	2.1	7.9	5	2.9	-22.1	-26.3	-19.20%	PASS

Object:	Date Issued:	Page 2 of 4
D2450V2 – SN: 921	11/09/2022	rage 2 014



Impedance & Return-Loss Measurement Plot for Head TSL

Object:	Date Issued:	Daga 2 of 4
D2450V2 – SN: 921	11/09/2022	Page 3 of 4



Impedance & Return-Loss Measurement Plot for Body TSL

Object:	Date Issued:	Dogo 4 of 4
D2450V2 – SN: 921	11/09/2022	Page 4 of 4

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



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Accreditation No.: SCS 0108

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

Certificate No: D5GHzV2-1123 Mar22

CALIBRATION CERTIFICATE

Element

Client

Object	D5GHzV2 - SN:1	123	VAL
Calibration procedure(s)	QA CAL-22.v6 Calibration Proce	edure for SAR Validation Sources	between 3-10 GHz
Calibration date:	March 22, 2022		✓ YW 5/16/202
The measurements and the uncert	ainties with confidence p	onal standards, which realize the physical units robability are given on the following pages and y facility: environment temperature (22 ± 3)°C	s of measurements (SI). are part of the certificate.
Calibration Equipment used (M&TE	E critical for calibration)		
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	09-Apr-21 (No. 217-03291/03292)	Apr-22
Power sensor NRP-Z91	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-Z91	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22
Reference 20 dB Attenuator	SN: BH9394 (20k)	09-Apr-21 (No. 217-03343)	Apr-22
Type-N mismatch combination	SN: 310982 / 06327	09-Apr-21 (No. 217-03344)	Apr-22
Reference Probe EX3DV4	SN: 3503	08-Mar-22 (No. EX3-3503_Mar22)	Mar-23
DAE4	SN: 601	01-Nov-21 (No. DAE4-601_Nov21)	Nov-22
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22
0	Name	Function	Signature
Calibrated by:	Aidonia Georgiadou	Laboratory Technician	AEP
Approved by:	Sven Kühn	Deputy Manager	SIT
This calibration certificate shall not	be reproduced except in	full without written approval of the laboratory.	Issued: March 22, 2022

Calibration Laboratory of

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





S

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Glossary:

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz 5800 MHz ± 1 MHz	

Head TSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.1 ± 6 %	4.55 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5250 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	TWEENUL
SAR measured	100 mW input power	8.09 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.5 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	· · · · · · · · · · · · · · · · · · ·
SAR measured	100 mW input power	2.30 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.9 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.6 ± 6 %	4.90 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.43 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	83.7 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR averaged over 10 cm ³ (10 g) of Head TSL SAR measured	condition 100 mW input power	2.39 W/kg

Head TSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.4 ± 6 %	5.05 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.11 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.5 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.29 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.7 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5800 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.3	5.27 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.3 ± 6 %	5.10 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5800 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.10 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.5 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.5 W/kg ± 19.5 % (k=2)

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

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.9	5.36 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	48.2 ± 6 %	5.50 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5250 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.55 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	75.4 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.09 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.8 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.5	5.77 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	47.6 ± 6 %	5.97 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.80 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	77.8 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.15 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	21.4 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.3	5.94 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	47.3 ± 6 %	6.18 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5750 MHz

SAR averaged over 1 cm^3 (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.55 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	75.3 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.08 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.7 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5800 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.2	6.00 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	47.3 ± 6 %	6.25 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5800 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	· · · · · · · · · · · · · · · · · · ·
SAR measured	100 mW input power	7.45 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	74.3 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.03 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.2 W/kg ± 19.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	53.6 Ω - 2.7 jΩ
Return Loss	- 27.3 dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	57.2 Ω + 3.0 jΩ
Return Loss	- 22.7 dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	56.7 Ω + 4.1 jΩ
Return Loss	- 22.7 dB

Antenna Parameters with Head TSL at 5800 MHz

Impedance, transformed to feed point	55.7 Ω + 2.4 jΩ
Return Loss	- 24.7 dB

Antenna Parameters with Body TSL at 5250 MHz

Impedance, transformed to feed point	52.8 Ω - 1.6 jΩ
Return Loss	- 30.0 dB

Antenna Parameters with Body TSL at 5600 MHz

Impedance, transformed to feed point	57.7 Ω + 4.2 jΩ
Return Loss	- 21.8 dB

Antenna Parameters with Body TSL at 5750 MHz

Impedance, transformed to feed point	57.9 Ω + 4.7 jΩ
Return Loss	- 21.5 dB

Antenna Parameters with Body TSL at 5800 MHz

Impedance, transformed to feed point	56.0 Ω + 4.8 jΩ
Return Loss	- 22.8 dB

General Antenna Parameters and Design

Floatriant Delay (and divention)	1.007
Electrical Delay (one direction)	1.205 ns

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

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

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

Additional EUT Data

Manufactured by	SPEAG

DASY5 Validation Report for Head TSL

Date: 22.03.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1123

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz, Frequency: 5800 MHz Medium parameters used: f = 5250 MHz; $\sigma = 4.55$ S/m; $\varepsilon_r = 35.1$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5600 MHz; $\sigma = 4.9$ S/m; $\varepsilon_r = 34.6$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5750 MHz; $\sigma = 5.05$ S/m; $\varepsilon_r = 34.4$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5800 MHz; $\sigma = 5.1$ S/m; $\varepsilon_r = 34.3$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 5.1$ S/m; $\varepsilon_r = 34.3$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 5.1$ S/m; $\varepsilon_r = 34.3$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 5.1$ S/m; $\varepsilon_r = 34.3$; $\rho = 1000$ kg/m³

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.5, 5.5, 5.5) @ 5250 MHz, ConvF(5.1, 5.1, 5.1) @ 5600 MHz, ConvF(5.08, 5.08, 5.08) @ 5750 MHz, ConvF(5.01, 5.01, 5.01) @ 5800 MHz; Calibrated: 08.03.2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 01.11.2021
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

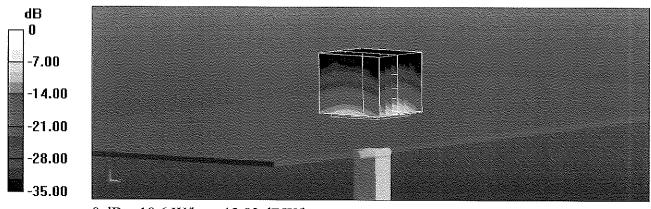
Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 78.80 V/m; Power Drift = -0.05 dB Peak SAR (extrapolated) = 28.1 W/kg SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.30 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 70.5% Maximum value of SAR (measured) = 18.4 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 78.34 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 31.7 W/kg SAR(1 g) = 8.43 W/kg; SAR(10 g) = 2.39 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 67.7% Maximum value of SAR (measured) = 19.6 W/kg Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 75.77 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 32.3 W/kg SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.29 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 65.9% Maximum value of SAR (measured) = 19.3 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 75.72 V/m; Power Drift = -0.02 dB Peak SAR (extrapolated) = 32.6 W/kg SAR(1 g) = 8.10 W/kg; SAR(10 g) = 2.27 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 65.5% Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.6 W/kg = 12.92 dBW/kg

Impedance Measurement Plot for Head TSL

				<u>T</u> race <u>S</u> cale						
				~				l :	5.250000 GHz 11.324 pF	53,536 Ω -2.6771 Ω
				\sim				2:	5.800000 GHz	57.236 Ω
					\wedge	$\searrow -+$		3:	85,5 lú p H S.750000 GHz	3.0087-0 56.694-0
					$\sim \land$	\bigtriangleup			114.23 pH	4.1269 Ω
					7{	\$¥-==	XCI -	> 4)	5,800000 GHz 67,093 pH	55.657 Ω 2.4450 Ω
							XA -	R:	5.500000 GHz	23.749 m U 8.7606 °
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	Ch 1 Avg =			Ň	~~					
	h1: Start 5.00000 (GHz			-				Stop	6.00000 GHz
10.00	dB \$11			Ī		Î		1:	5. ‡ 50000 GH≳	-27.279 dB
5.00						·		-2:	5,0000004	22.727-48
								3:		
0.00									5,150000 GHz 5,300000 GHz	-22.656 dB -24.695 dB
-5.00	A							3:	5. 1500 00 GHa	-22.658 dB
-5.00 -10.00								3:	5. 1500 00 GHa	-22.658 dB
-5.00 -10.00 -15.00	0							3:	5. 1500 00 GHa	-22.658 dB
-5.00 -10.00 -15.00 -20.00))		· · · · · · · · · · · · · · · · · · ·					3:	5. 1500 00 GHa	-22.658 dB
-5.00 -10.00 -15.00 -20.00	0							3:	5. 1500 00 GHa	-22.658 dB
-5.00 -10.00 -15.00 -20.00 -25.00 -30.00								3: 	5. 1500 00 GHa	-22.658 dB
-5.00 -10.00 -15.00 -20.00		20						3: 	5. 1500 00 GHa	-22.658 dB
-5.00 -10.00 -15.00 -20.00 -25.00 -30.00 -35.00								3: 	5. 5000 GH2 5. 80000 GH2	-22.658 dB

DASY5 Validation Report for Body TSL

Date: 17.03.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1123

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz, Frequency: 5800 MHz Medium parameters used: f = 5250 MHz; $\sigma = 5.5$ S/m; $\varepsilon_r = 48.2$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5600 MHz; $\sigma = 5.97$ S/m; $\varepsilon_r = 47.6$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5750 MHz; $\sigma = 6.18$ S/m; $\varepsilon_r = 47.3$; $\rho = 1000$ kg/m³, Medium parameters used: f = 5800 MHz; $\sigma = 6.25$ S/m; $\varepsilon_r = 47.3$; $\rho = 1000$ kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

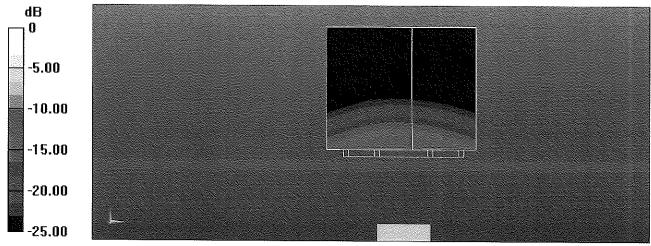
- Probe: EX3DV4 SN3503; ConvF(5.26, 5.26, 5.26) @ 5250 MHz, ConvF(4.79, 4.79, 4.79) @ 5600 MHz, ConvF(4.66, 4.66, 4.66) @ 5750 MHz, ConvF(4.62, 4.62, 4.62) @ 5800 MHz; Calibrated: 08.03.2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 01.11.2021
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5250 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 67.23 V/m; Power Drift = -0.09 dB Peak SAR (extrapolated) = 29.5 W/kg SAR(1 g) = 7.55 W/kg; SAR(10 g) = 2.09 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 66.8% Maximum value of SAR (measured) = 17.7 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 66.83 V/m; Power Drift = -0.09 dB Peak SAR (extrapolated) = 33.8 W/kg SAR(1 g) = 7.80 W/kg; SAR(10 g) = 2.15 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 63.2% Maximum value of SAR (measured) = 19.1 W/kg Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = .64.54 V/m; Power Drift = .0.09 dB Peak SAR (extrapolated) = 34.1 W/kgSAR(1 g) = 7.55 W/kg; SAR(10 g) = 2.08 W/kgSmallest distance from peaks to all points 3 dB below = 7.2 mmRatio of SAR at M2 to SAR at M1 = 61.3%Maximum value of SAR (measured) = 18.6 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 65.49 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 32.8 W/kg SAR(1 g) = 7.45 W/kg; SAR(10 g) = 2.03 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 62.8% Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 19.1 W/kg = 12.81 dBW/kg

Impedance Measurement Plot for Body TSL

File <u>V</u> iew	⊆hannel	Sw <u>e</u> ep C	alibration	<u>T</u> race <u>S</u> cal	e M <u>a</u> rker	S <u>y</u> stem y	<u>V</u> indow <u>F</u>	<u>l</u> elp			
				4	$\langle \langle \rangle$			1: 2: 3: >4:	5,250000 8,88 5,600000 119,7 5,750000 128,80 5,800000	f pF GHz f pH GHz S pH	52.815 Q -1.6228 Q 57.724 Q 4.2122 Q 57.853 Q 4.6557 Q 55.968 Q
				H	X	Ì	Ì	R:	132.20 5.500000 (ЭрН	4.8175 Ω 30.803 mU 36.776 °
	Ch 1 Avg = art 5:00000 (~~~~					Stop 6	.00000 GHz
5.00 0.00	3B \$11							4: 2: 2: 2:	5.(50000) 5.(200000) 5.(200000) 5.(200000) 5.(200000)	GH2	- 21,765,48 -21,456,68
5.00								2: 3: 24:	5.00000 5.00000 5.000000	GH2	- 21,765,48 -21,456,68
5.00 - 0.00 - -5.00 - -15.00 - -20.00 - -25.00 - -30.00 -								2:	5.00000 5.00000 5.000000	GH2	-30.007.48 -21.765.48 -21.456.48 -22.317.48
5.00 - 5.00 - -10.00 - -20.00 - -25.00 - -30.00 - -35.00 - -40.00 -	38 \$11 Ch 1 Avg = art 5.00000 C	20 3Hz exercise						2:	5.00000 5.00000 5.000000	9 <u>41</u> 942 942	- 21,765-38 -21,456-68



Element Materials Technology Morgan Hill 18855 Adams Ct, Morgan Hill, CA 95037 USA Tel. +1.410.290.6652 / Fax +1.410.290.6654 http://www.element.com



Certification of Calibration

Object

D5GHzV2 – SN: 1123

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

Extended Calibration date:

March 22, 2023

Description:

SAR Validation Dipole at 5250,5600,5750,5800 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	8753ES	S-Parameter Vector Network Analyzer	6/14/2022	Annual	6/14/2023	US39170118
Agilent	E4438C	ESG Vector Signal Generator	11/17/2022	Annual	11/17/2023	MY45093852
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Rohde & Schwarz	NRX	Power Meter	1/11/2023	Annual	1/11/2024	102583
Rohde & Schwarz	NRP-Z81	Wide Band Power Sensor	5/19/2022	Annual	5/19/2023	106562
Rohde & Schwarz	NRP-Z81	Wide Band Power Sensor	5/19/2022	Annual	5/19/2023	106559
Traceable	4040 90080-06	Therm./ Clock/ Humidity Monitor	5/11/2022	Biennial	5/11/2024	221514974
Control Company	4353	Long Stem Thermometer	9/10/2021	Biennial	9/10/2023	210774685
Agilent	85033E	3.5mm Standard Calibration Kit	6/21/2022	Annual	6/21/2023	MY53402352
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	CBT	N/A	CBT	N/A
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Mini-Circuits	ZHDC-16-63-S+	50-6000MHz Bidirectional Coupler	CBT	N/A	CBT	N/A
Pasternack	NC-100	Torque Wrench	12/5/2022	Biennial	12/5/2024	N/A
SPEAG	DAK-3.5	Dielectric Assessment Kit	5/16/2022	Annual	5/16/2023	1070
SPEAG	EX3DV4	SAR Probe	2/13/2023	Annual	2/13/2024	7308
SPEAG	EX3DV4	SAR Probe	3/16/2023	Annual	3/16/2024	7421
SPEAG	EX3DV4	SAR Probe	2/13/2023	Annual	2/13/2024	7427
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/15/2023	Annual	2/15/2024	467
SPEAG	DAE4	Dasy Data Acquisition Electronics	3/15/2023	Annual	3/15/2024	604
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/15/2023	Annual	2/15/2024	1403

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

	Name	Function	Signature
Calibrated By:	Arturo Oliveros	Compliance Engineer I	AC
Approved By:	Greg Snyder	Executive VP of Operations	South

Object:	Date Issued:	Page 1 of 10
D5GHzV2 – SN: 1123	03/22/2023	Fage 10110

DIPOLE CALIBRATION EXTENSION

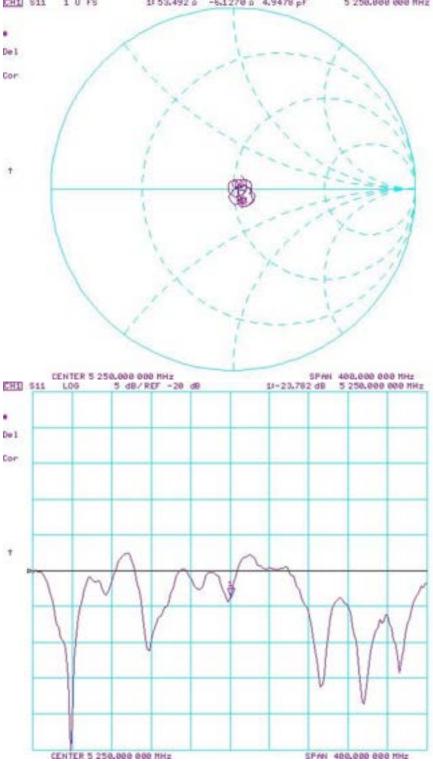
Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

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

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

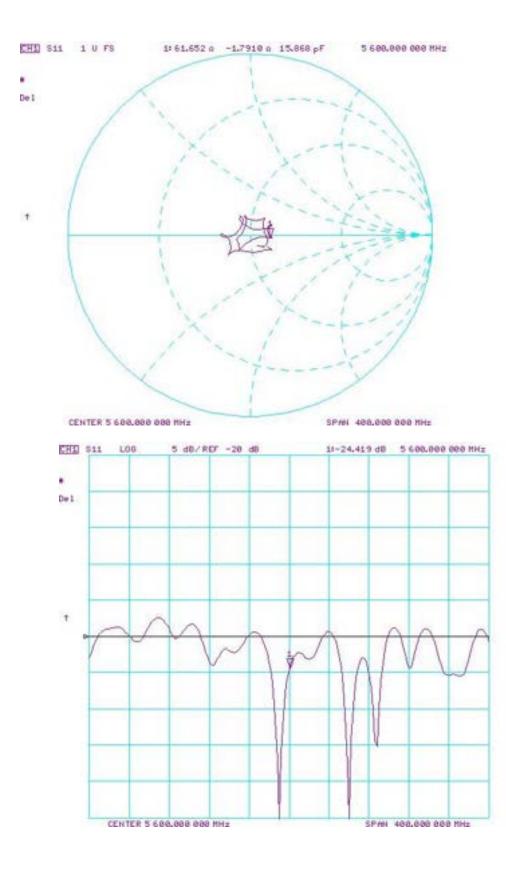
Frequency (MHz)	Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Head (1g) W/kg @ 17.0 dBm	Measured Head SAR (1g) W/kg @ 17.0 dBm	Deviation 1g (%)	Certificate SAR Target Head (10g) W/kg @ 17.0 dBm	Measured Head SAR (10g) W/kg @ 17.0 dBm	Deviation 10g (%)	Certificate Impedance Head (Ohm) Real	Measured Impedance Head (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Head (Ohm) Imaginary	Measured Impedance Head (Ohm) Imaginary		Certificate Return Loss Head (dB)	Measured Return Loss Head (dB)	(%)	PASS/FAIL
5250	3/22/2022	3/22/2023	1.205	4.03	4.00	-0.62%	1.15	1.13	-1.31%	53.6	53.5	0.1	-2.7	-6.1	3.4	-27.3	-23.8	12.90%	PASS
5600	3/22/2022	3/22/2023	1.205	4.19	4.24	1.31%	1.19	1.20	1.27%	57.2	61.7	4.5	3.0	-1.8	4.8	-22.7	-24.4	-7.60%	PASS
5750	3/22/2022	3/22/2023	1.205	4.03	3.86	-4.10%	1.14	1.10	-3.08%	56.7	55.7	1.0	4.1	3.9	0.2	-22.7	-25.5	-12.30%	PASS
5800	3/22/2022	3/22/2023	1.205	4.03	3.71	-7.83%	1.13	1.07	-4.89%	55.7	57.6	1.9	2.4	1.8	0.6	-24.7	-23.2	6.10%	PASS
Frequency (MHz)	Calibration Date	Extension Date	Certificate Electrical Delay (ns)	Certificate SAR Target Body (1g) W/kg @ 17.0 dBm	Measured Body SAR (1g) W/kg @ 17.0 dBm	Deviation 1g (%)	Certificate SAR Target Body (10g) W/kg @ 17.0 dBm	Measured Body SAR (10g) W/kg @ 17.0 dBm	Deviation 10g (%)	Certificate Impedance Body (Ohm) Real	Measured Impedance Body (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary	Measured Impedance Body (Ohm) Imaginary	(Ohm)	Certificate Retum Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
		Extension Date 3/22/2023	Electrical Delay	Target Body (1g) W/kg @ 17.0	Body SAR (1g) W/kg @	Deviation 1g (%)	Target Body (10g) W/kg @	Body SAR (10g) W/kg @	Deviation 10g (%)	Impedance Body	Impedance Body (Ohm)		Impedance Body (Ohm)	Impedance Body (Ohm)	(Ohm)	Return Loss	Return	Deviation (%)	PASS/FAIL PASS
(MHz)	Date	Extension Date	Electrical Delay (ns)	Target Body (1g) W/kg @ 17.0 dBm	Body SAR (1g) W/kg @ 17.0 dBm		Target Body (10g) W/kg @ 17.0 dBm	Body SAR (10g) W/kg @ 17.0 dBm		Impedance Body (Ohm) Real	Impedance Body (Ohm) Real	Real	Impedance Body (Ohm) Imaginary	Impedance Body (Ohm) Imaginary	(Ohm) Imaginary	Return Loss Body (dB)	Return Loss Body (dB)	(~~)	
(MHz) 5250	Date 3/22/2022	3/22/2023	Electrical Delay (ns) 1.205	Target Body (1g) W/kg @ 17.0 dBm 3.77	Body SAR (1g) W/kg @ 17.0 dBm 3.58	-5.04%	Target Body (10g) W/kg @ 17.0 dBm 1.04	Body SAR (10g) W/kg @ 17.0 dBm 1.03	-0.96%	Impedance Body (Ohm) Real 52.8	Impedance Body (Ohm) Real 55.6	Real	Impedance Body (Ohm) Imaginary -1.6	Impedance Body (Ohm) Imaginary -5.8	(Ohm) Imaginary 4.2	Retum Loss Body (dB) -30.0	Return Loss Body (dB) -33.6	-12.20%	PASS

Object:	Date Issued:	Dogo 2 of 10
D5GHzV2 – SN: 1123	03/22/2023	Page 2 of 10

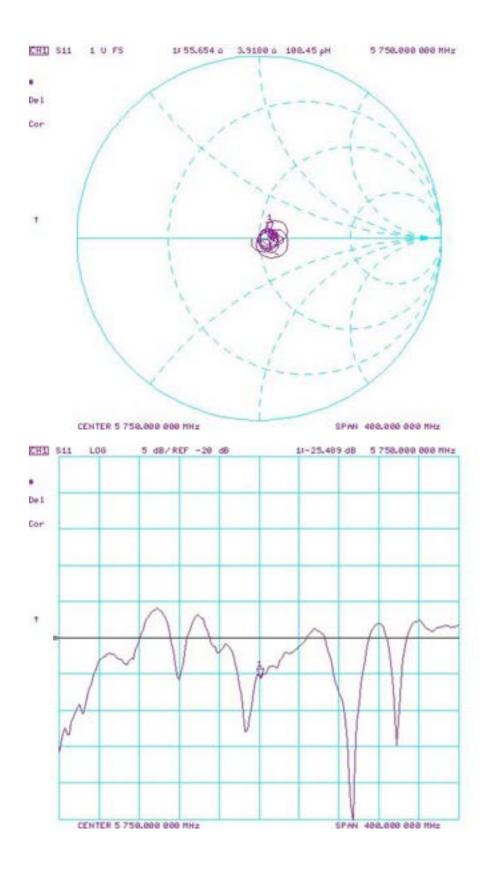


Impedance & Return-Loss Measurement Plot for Head TSL

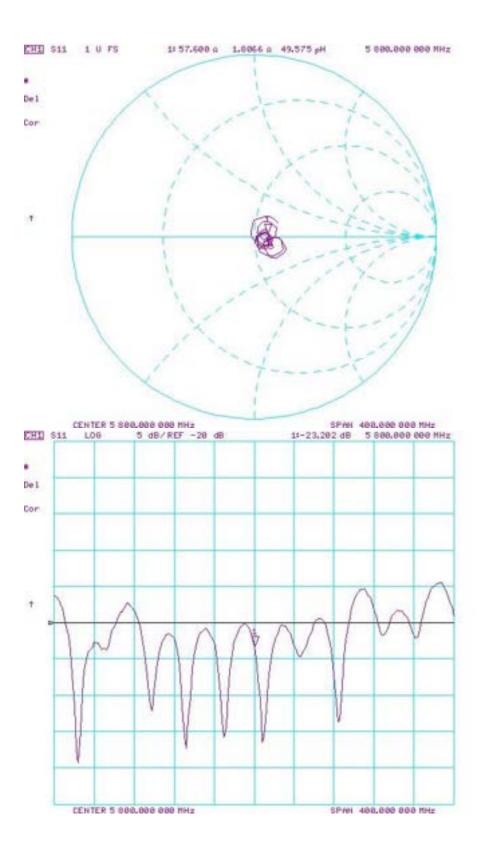
Object:	Date Issued:	Page 3 of 10
D5GHzV2 – SN: 1123	03/22/2023	rage 5 01 10



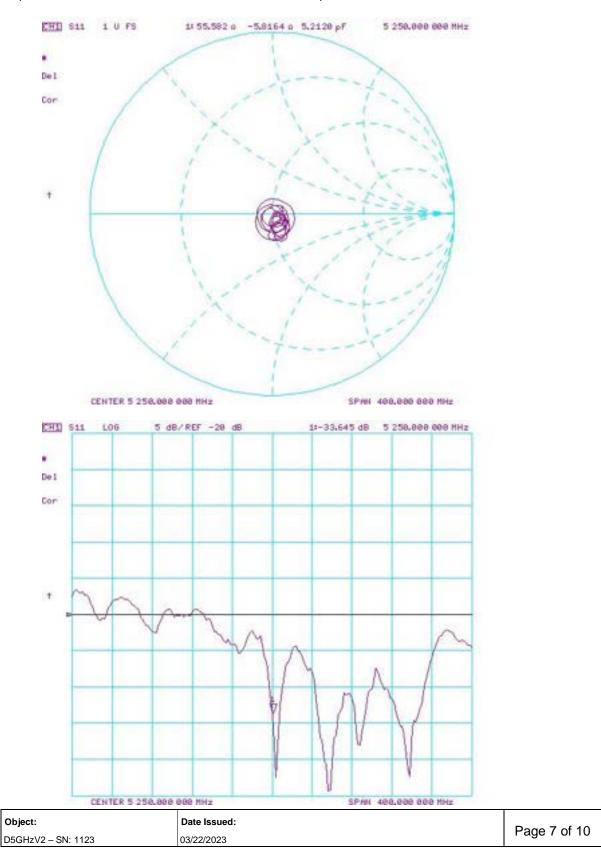
Object:	Date Issued:	Page 4 of 10
D5GHzV2 – SN: 1123	03/22/2023	rage 4 01 10



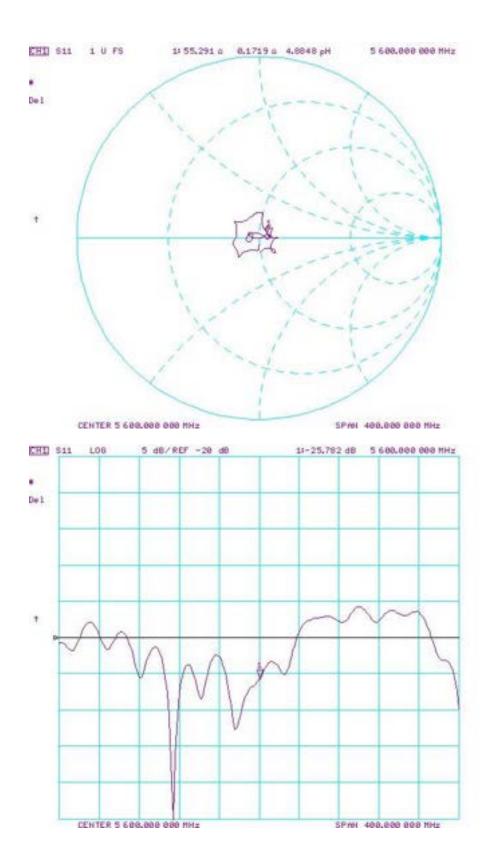
Object:	Date Issued:	Page 5 of 10
D5GHzV2 – SN: 1123	03/22/2023	rage 5 01 10



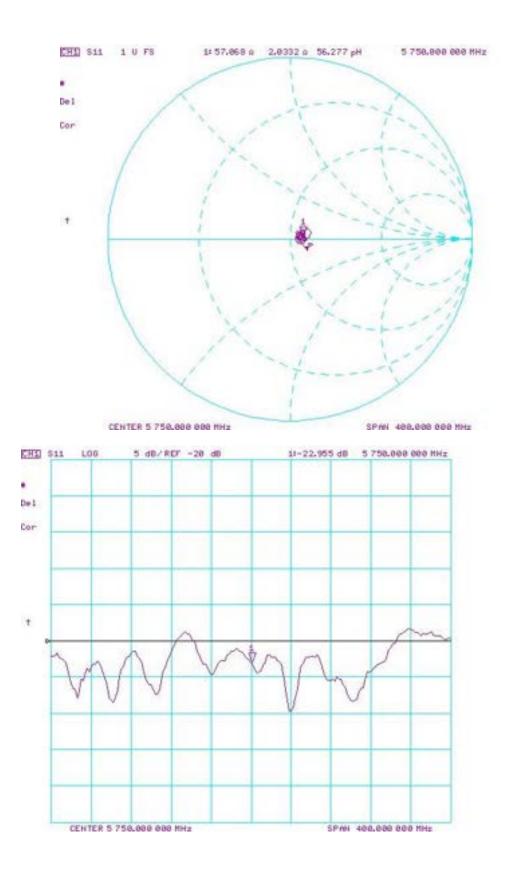
Object:	Date Issued:	Page 6 of 10
D5GHzV2 – SN: 1123	03/22/2023	rage 0 01 10



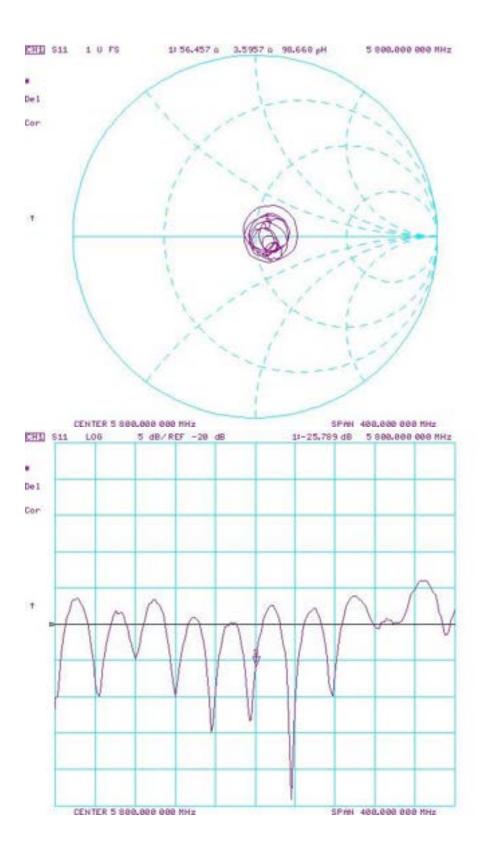
Impedance & Return-Loss Measurement Plot for Body TSL



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D5GHzV2 – SN: 1123	03/22/2023	rage o or to



Object:	Date Issued:	Page 9 of 10
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Object:	Date Issued:	Page 10 of 10
D5GHzV2 – SN: 1123	03/22/2023	rage 10 01 10

Calibration Laboratory of

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



Schweizerischer Kalibrierdienst

- Service suisse d'étalormage
- Servizio svizzero di taratura
- Swiss Calibration Service

Accreditation No.: SCS 0108

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

Client Element Yongin, Republic of Korea	Certificate No. D5GHzV2-1237_Apr23
CALIBRATION CERTIFICATE	

Object	D5GHzV2 - SN:1	237 68888888888888888	
Calibration procedure(s)		dure for SAR Validation Sour	ces between 3-10 GHz 실무자 기술책입자
Calibration date:	April 17, 2023		are phase
The measurements and the uncerta	ainties with confidence pr	onal standards, which realize the physica robability are given on the following page	s and are part of the certificate.
All calibrations have been conducte Calibration Equipment used (M&TE		y facility: environment temperature (22 ±	3)°C and humidity < 70%,
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
Power sensor NRP-Z91	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Reference 20 dB Attenuator	SN: BH9394 (20k)	30-Mar-23 (No. 217-03809)	Mar-24
Type-N mismatch combination	SN: 310982 / 06327	30-Mar-23 (No. 217-03810)	Mar-24
Reference Probe EX3DV4	SN: 3503	07-Mar-23 (No. EX3-3503_Mar23)	Mar-24
DAE4	SN: 601	19-Dec-22 (No. DAE4-601_Dec22)	Dec-23
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-22)	In house check; Oct-24
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-22)	In house check: Oct-24
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	Name	Function	Signature
Calibrated by:	Jeffrey Katzman	Laboratory Technician	MAS
Approved by:	Sven Kühn	Technical Manager	5.5
This calibration certificate shall not	be reproduced except in	full without written approval of the labora	Issued: April 18, 2023 tory.

Calibration Laboratory of

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





S

Schweizerischer Kalibrierdienst

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 - Servizio svizzero di taratura
- S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossary:

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

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

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

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz 5800 MHz ± 1 MHz	

Head TSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.5 ± 6 %	4.63 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5250 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.03 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.1 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	·····
SAR measured	100 mW input power	2.30 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.9 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.3±6%	4.99 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.49 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	84.7 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	

SAR averaged over 10 cm ² (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.41 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.1 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.1 ± 6 %	5.11 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.14 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.2 Ŵ/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.30 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.9 W/kg ± 19.5 % (k=2)

Head TSL parameters at 5800 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.3	5.27 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.0 ± 6 %	5.14 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5800 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.08 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.6 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.28 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.8 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.9	5.36 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	48.9 ± 6 %	5.49 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C	· · · · · · · · · · · · · · · · · · ·	

SAR result with Body TSL at 5250 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.38 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	73.9 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	_2.06 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.6 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.5	5.77 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	48.5 ± 6 %	5.96 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.81 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	78.2 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.18 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	21.9 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.3	5.94 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	48.3 ± 6 %	6.14 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5750 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.47 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	74.8 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.07 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.7 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5800 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.2	6.00 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	48.1 ± 6 %	6.20 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5800 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.30 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	73.1 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.02 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.2 W/kg ± 19.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	48.4 Ω - 4.3 jΩ
Return Loss	- 26.6 dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	52.3 Ω + 0.0 jΩ
Return Loss	- 33.0 dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	55.0 Ω + 3.1 jΩ
Return Loss	- 25.0 dB

Antenna Parameters with Head TSL at 5800 MHz

Impedance, transformed to feed point	53.6 Ω + 3.6 jΩ
Return Loss	- 26.2 dB

Antenna Parameters with Body TSL at 5250 MHz

Impedance, transformed to feed point	46.7 Ω - 2.9 jΩ
Return Loss	- 26.9 dB

Antenna Parameters with Body TSL at 5600 MHz

Impedance, transformed to feed point	53.3 Ω + 3.2 jΩ
Return Loss	- 27.1 dB

Antenna Parameters with Body TSL at 5750 MHz

Impedance, transformed to feed point	55.1 Ω + 4.3 jΩ
Return Loss	- 23.9 dB

Antenna Parameters with Body TSL at 5800 MHz

Impedance, transformed to feed point	54.0 Ω + 4.3 jΩ
Return Loss	- 24.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.192 ns

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

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

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

Additional EUT Data

Manufactured by	SPEAG
	JFEAG

DASY5 Validation Report for Head TSL

Date: 17.04.2023

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1237

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz, Frequency: 5800 MHz Medium parameters used: f = 5250 MHz; $\sigma = 4.63$ S/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5600 MHz; $\sigma = 4.99$ S/m; $\epsilon_r = 35.3$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5750 MHz; $\sigma = 5.11$ S/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 5.14$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 5.14$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 5.14$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.5, 5.5, 5.5) @ 5250 MHz, ConvF(5.1, 5.1, 5.1) @ 5600 MHz. ConvF(5.08, 5.08, 5.08) @ 5750 MHz, ConvF(5.01, 5.01, 5.01) @ 5800 MHz; Calibrated: 07.03.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 19.12.2022
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 74.54 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 27.0 W/kg SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.30 W/kg Smallest distance from peaks to all points 3 dB below = 7.4 mm Ratio of SAR at M2 to SAR at M1 = 71.3% Maximum value of SAR (measured) = 18.3 W/kg

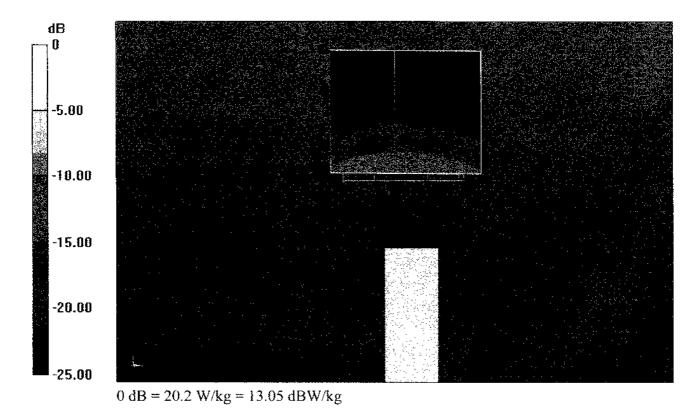
Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 74.39 V/m; Power Drift = 0.08 dB Peak SAR (extrapolated) = 31.0 W/kg SAR(1 g) = 8.49 W/kg; SAR(10 g) = 2.41 W/kg Smallest distance from peaks to all points 3 dB below = 7.4 mm Ratio of SAR at M2 to SAR at M1 = 68.4% Maximum value of SAR (measured) = 20.2 W/kg

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

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 71.59 V/m; Power Drift = 0.04 dB Peak SAR (extrapolated) = 31.3 W/kg SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.30 W/kg Smallest distance from peaks to all points 3 dB below = 7.4 mm Ratio of SAR at M2 to SAR at M1 = 66.8% Maximum value of SAR (measured) = 19.7 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 72.10 V/m; Power Drift = 0.05 dB Peak SAR (extrapolated) = 31.2 W/kg SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.28 W/kg Smallest distance from peaks to all points 3 dB below = 7.5 mm Ratio of SAR at M2 to SAR at M1 = 66.4% Maximum value of SAR (measured) = 19.5 W/kg



Impedance Measurement Plot for Head TSL

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DASY5 Validation Report for Body TSL

Date: 12.04.2023

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1237

Communication System: UID 0 - CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz, Frequency: 5800 MHz Medium parameters used: f = 5250 MHz; $\sigma = 5.49$ S/m; $\varepsilon_r = 48.9$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5600 MHz; $\sigma = 5.96$ S/m; $\varepsilon_r = 48.5$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5750 MHz; $\sigma = 6.14$ S/m; $\varepsilon_r = 48.3$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 6.2$ S/m; $\varepsilon_r = 48.1$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 6.2$ S/m; $\varepsilon_r = 48.1$; $\rho = 1000$ kg/m³ Medium parameters used: f = 5800 MHz; $\sigma = 6.2$ S/m; $\varepsilon_r = 48.1$; $\rho = 1000$ kg/m³

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.26, 5.26, 5.26) @ 5250 MHz, ConvF(4.79, 4.79, 4.79) @ 5600 MHz, ConvF(4.66, 4.66, 4.66) @ 5750 MHz, ConvF(4.62, 4.62, 4.62) @ 5800 MHz; Calibrated: 07.03.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 19.12.2022
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

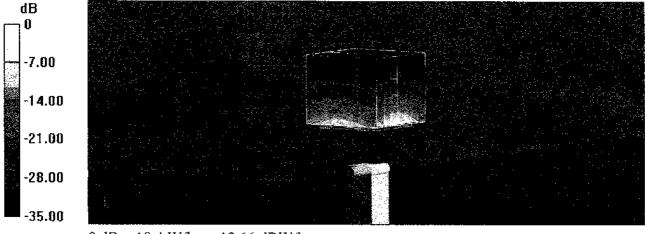
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 66.84 V/m; Power Drift = -0.05 dBPeak SAR (extrapolated) = 27.3 W/kg SAR(1 g) = 7.38 W/kg; SAR(10 g) = 2.06 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 68.7% Maximum value of SAR (measured) = 16.9 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 65.99 V/m; Power Drift = -0.04 dB Peak SAR (extrapolated) = 31.6 W/kg SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.18 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 65.5% Maximum value of SAR (measured) = 18.4 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 64.85 V/m; Power Drift = -0.05 dB Pcak SAR (extrapolated) = 31.7 W/kg SAR(1 g) = $\sqrt[7]{.47}$ W/kg; SAR(10 g) = 2.07 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 64.1% Maximum value of SAR (measured) = 18.1 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 63.97 V/m; Power Drift = -0.06 dB Peak SAR (extrapolated) = 30.3 W/kg SAR(1 g) = 7.30 W/kg; SAR(10 g) = 2.02 W/kg Smallest distance from peaks to all points 3 dB below = 7.2 mm Ratio of SAR at M2 to SAR at M1 = 64.8% Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 18.4 W/kg = 12.66 dBW/kg

Impedance Measurement Plot for Body TSL

